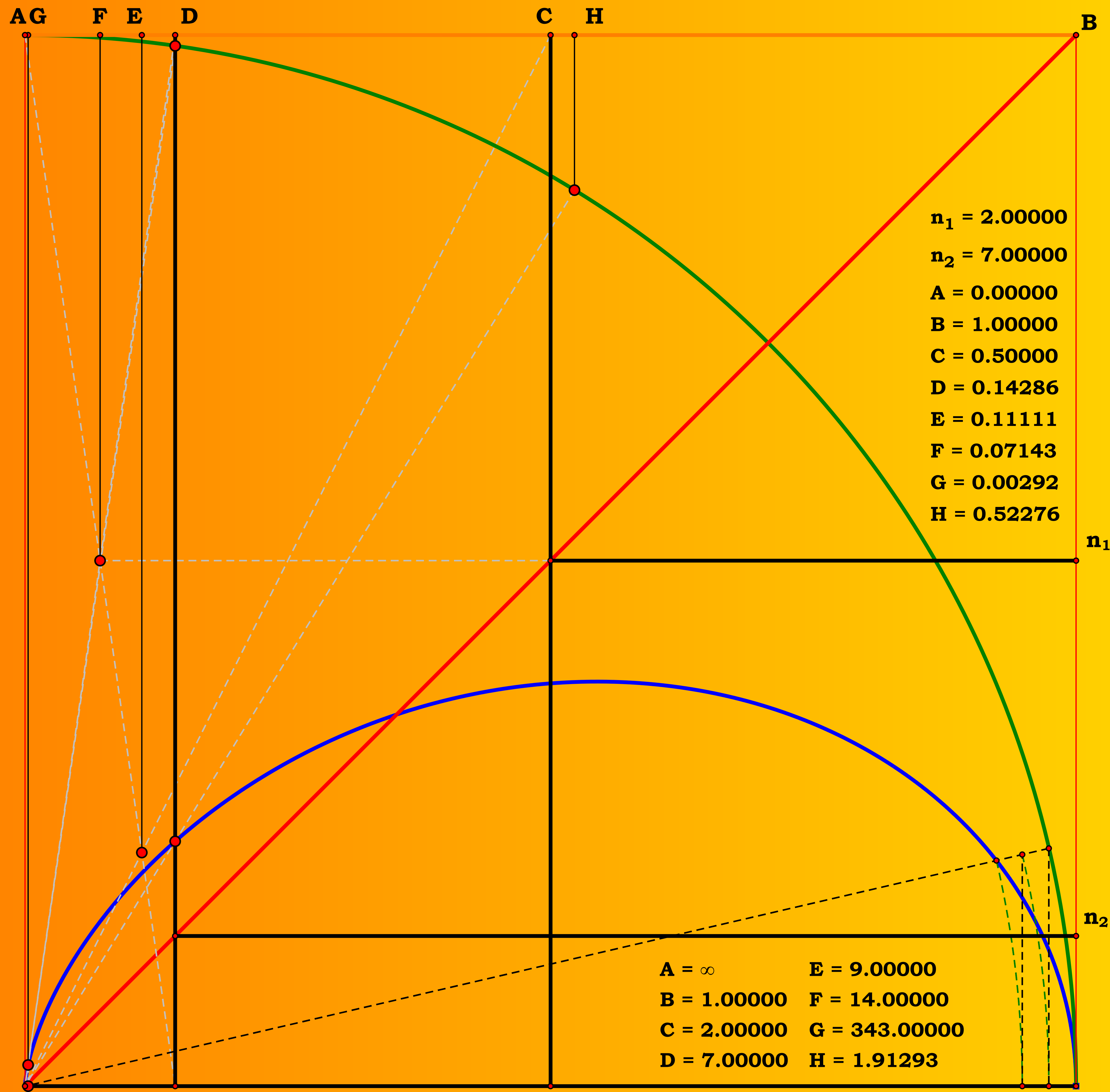


The One

The Art of Prophecy

Mathcad Appendix

John Clark





1CST1R0

Given. $A := .66631 \qquad B := .38788$

$$n_1 := \frac{1}{A} \qquad n_2 := \frac{1}{B}$$

Descriptions.

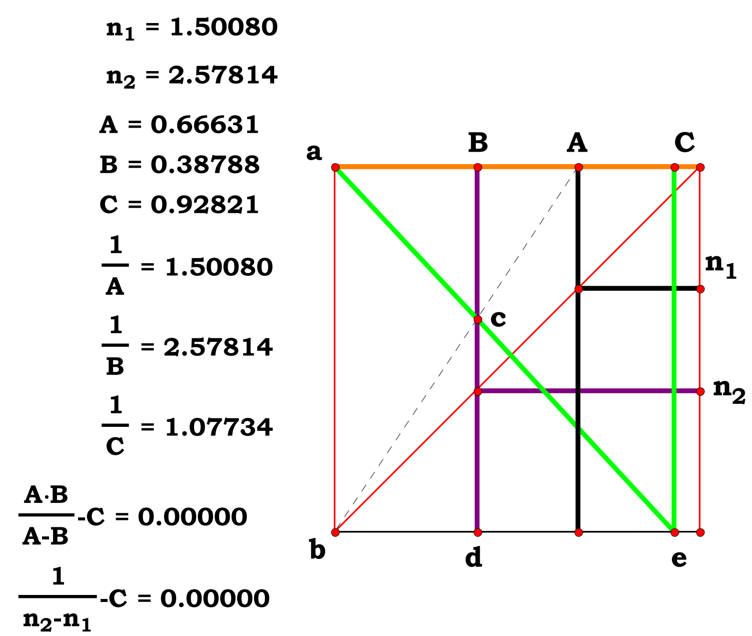
$$cd := \frac{B}{A} \qquad de := \frac{B \cdot cd}{1 - cd}$$

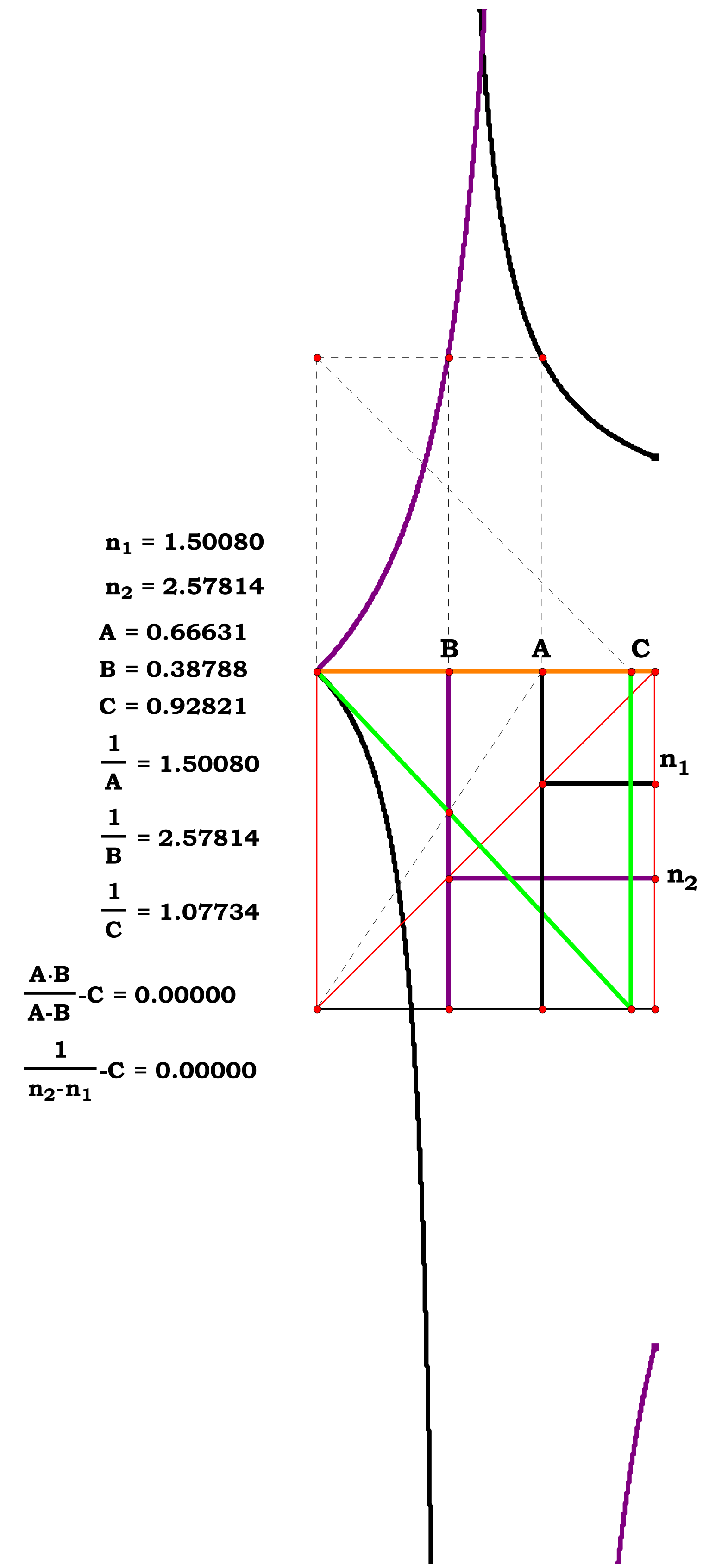
$$be := B + de \qquad C := be \qquad C = 0.928234$$

Definitions.

$$C - \frac{A \cdot B}{A - B} = 0$$

$$C - \frac{1}{(n_2 - n_1)} = 0$$





1CST1R1

Given. $A := .74955$ $\quad B := .17886$

$C := .65334$ $\quad D := .31640$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D}$$

Descriptions.

$$bg := \frac{A \cdot B}{A - B} \qquad fg := \frac{bg}{C}$$

$$E := \frac{D}{fg} \qquad E = 0.879958$$

Definitions.

$$E - \frac{C \cdot D \cdot (A - B)}{A \cdot B} = 0$$

$$n_1 - \frac{1}{A} = 0 \qquad n_2 - \frac{1}{B} = 0 \qquad n_3 - \frac{1}{C} = 0 \qquad n_4 - \frac{1}{D} = 0$$

$$E - \frac{(n_2 - n_1)}{n_3 \cdot n_4} = 0$$

$n_1 = 1.33413$

$n_2 = 5.59087$

$n_3 = 1.53059$

$n_4 = 3.16056$

$A = 0.74955$

$B = 0.17886$

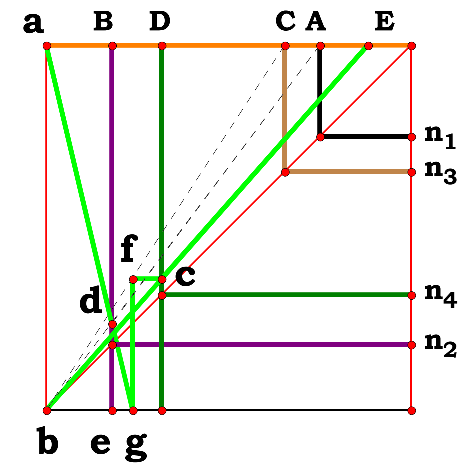
$C = 0.65334$

$D = 0.31640$

$E = 0.87995$

$\frac{C \cdot D \cdot (A-B)}{A \cdot B} - E = 0.00000$

$\frac{n_2 - n_1}{n_3 \cdot n_4} - E = 0.00000$



$n_1 = 1.33413$

$n_2 = 5.59087$

$n_3 = 1.53059$

$n_4 = 3.16056$

$A = 0.74955$

$B = 0.17886$

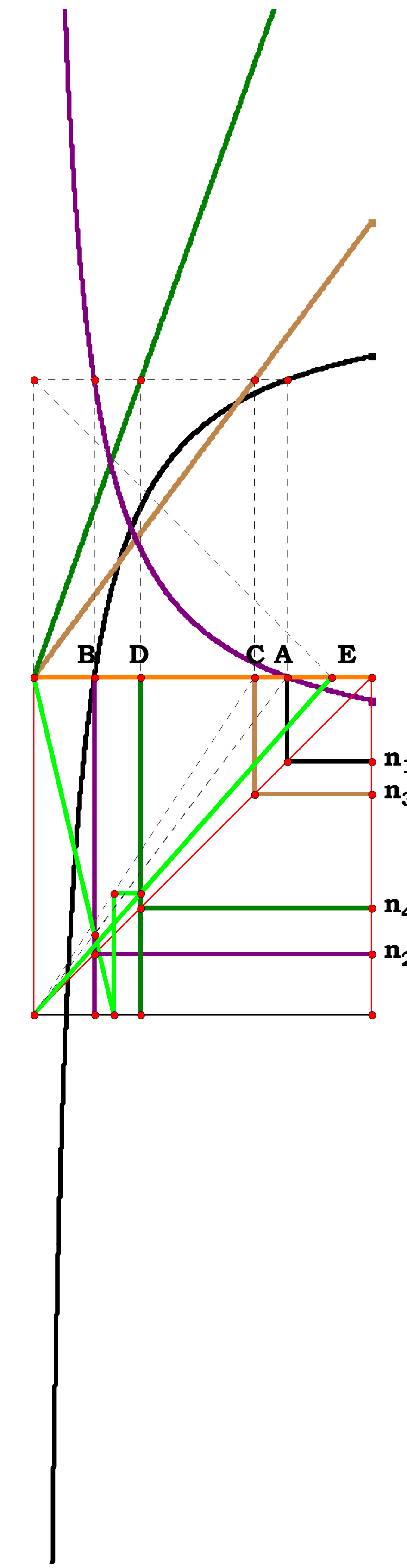
$C = 0.65334$

$D = 0.31640$

$E = 0.87995$

$\frac{C \cdot D \cdot (A-B)}{A \cdot B} - E = 0.00000$

$\frac{n_2 - n_1}{n_3 \cdot n_4} - E = 0.00000$



1CST1R3

Given. $A := .54819 \quad B := .22411$

$C := .72243$

Descriptions.

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$$

$$bf := \frac{A \cdot B}{A - B} \qquad ef := \frac{bf}{C}$$

$$D := \frac{bf}{1 - ef} \qquad D = 0.797644$$

Definitions.

$$D - \frac{A \cdot B \cdot C}{A \cdot C - A \cdot B - B \cdot C} = 0$$

$$D - \frac{1}{n_2 - n_1 - n_3} = 0$$

$n_1 = 1.82417$

$n_2 = 4.46215$

$n_3 = 1.38421$

A = 0.54819

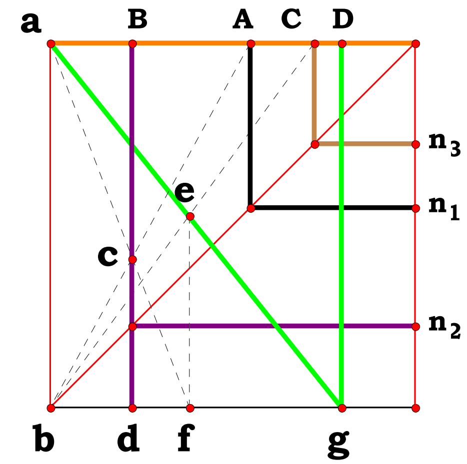
B = 0.22411

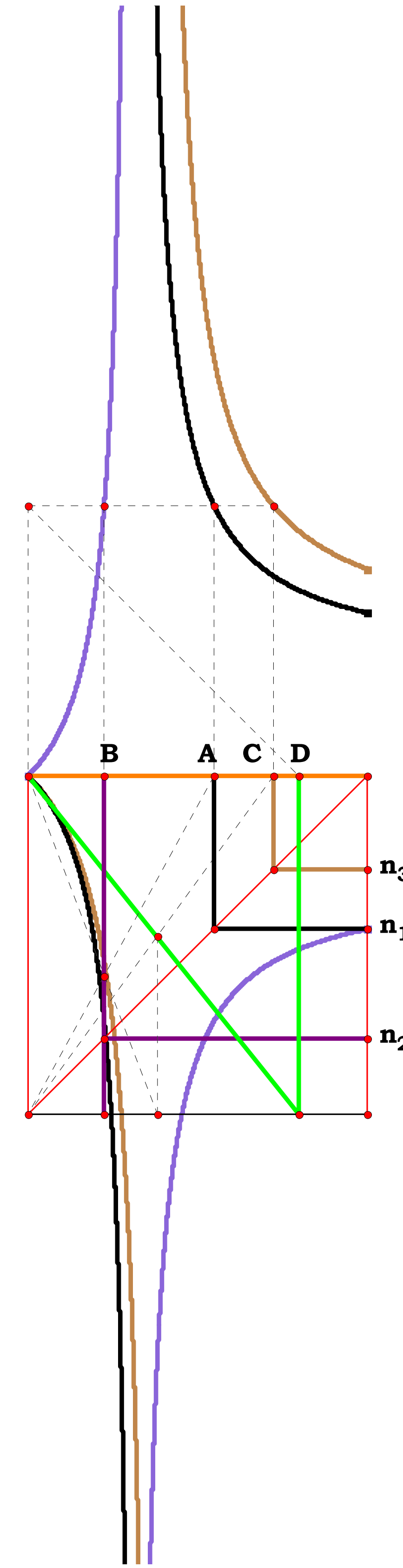
C = 0.72243

D = 0.79760

$$\frac{(A \cdot B \cdot C)}{(A \cdot C - A \cdot B - B \cdot C)} - D = 0.00000$$

$$\frac{1}{n_2 - n_1 - n_3} - D = 0.00000$$





$n_1 = 1.82417$

$n_2 = 4.46215$

$n_3 = 1.38421$

A = 0.54819

B = 0.22411

C = 0.72243

D = 0.79760

$$\frac{(A \cdot B \cdot C)}{(A \cdot C - A \cdot B - B \cdot C)} - D = 0.00000$$

$$\frac{1}{n_2 - n_1 - n_3} - D = 0.00000$$

1CST1R4

Given. $A := 4.76800$ $B := 1.19206$

$C := 3.24347$ $D := 1.42325$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$ $n_4 := \frac{1}{D}$

Descriptions.

$cd := \frac{B}{A}$ $bf := \frac{B}{1 - cd}$

$ef := \frac{bf}{C}$ $gd := 1 - ef$

$E := \frac{D}{gd}$ $E = 2.790922$

Definitions.

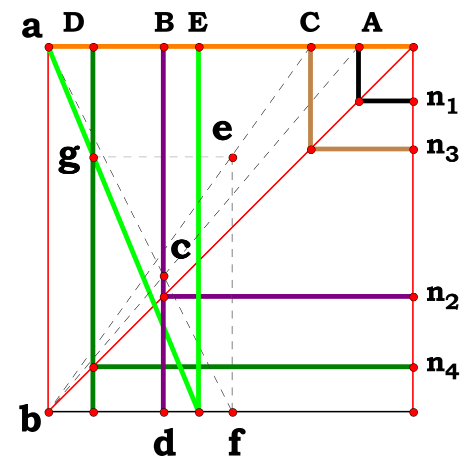
$$E - \frac{C \cdot D \cdot (B - A)}{A \cdot B - A \cdot C + B \cdot C} = 0$$

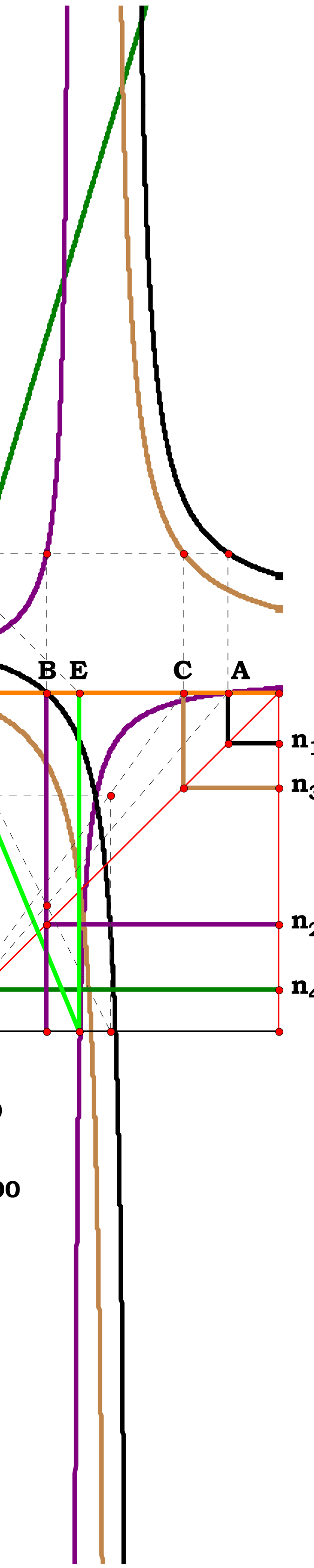
$$E - \frac{n_1 - n_2}{n_4 \cdot (n_3 + n_1 - n_2)} = 0$$

$n_1 = 1.17578$
$n_2 = 3.16342$
$n_3 = 1.38998$
$n_4 = 8.06348$
$A = 0.85050$
$B = 0.31611$
$C = 0.71943$
$D = 0.12402$
$E = 0.41244$

$$\frac{(B-A) \cdot C \cdot D}{(A \cdot B - A \cdot C) + B \cdot C} - E = 0.00000$$

$$\frac{n_1 - n_2}{n_4 \cdot ((n_1 - n_2) + n_3)} - E = 0.00000$$





$n_1 = 1.17578$
$n_2 = 3.16342$
$n_3 = 1.38998$
$n_4 = 8.06348$
$A = 0.85050$
$B = 0.31611$
$C = 0.71943$
$D = 0.12402$
$E = 0.41244$

$$\frac{(B-A) \cdot C \cdot D}{(A \cdot B - A \cdot C) + B \cdot C} - E = 0.00000$$

$$\frac{n_1 - n_2}{n_4 \cdot ((n_1 - n_2) + n_3)} - E = 0.00000$$

1CST1R5

Given. $A := .31161$ $B := .14086$

$C := .82297$

$n_1 := \dfrac{1}{A}$ $n_2 := \dfrac{1}{B}$ $n_3 := \dfrac{1}{C}$

Descriptions.

$eB := \dfrac{A - B}{A}$ $bf := \dfrac{B}{eB}$

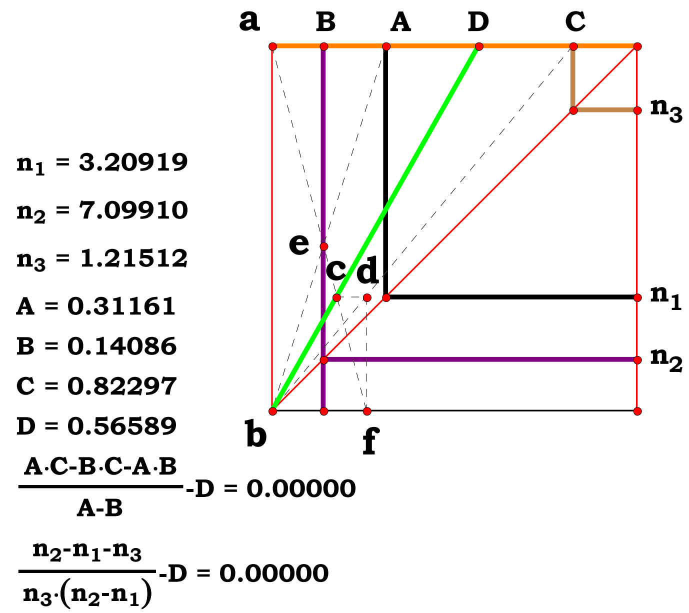
$df := \dfrac{bf}{C}$ $cd := bf \cdot df$

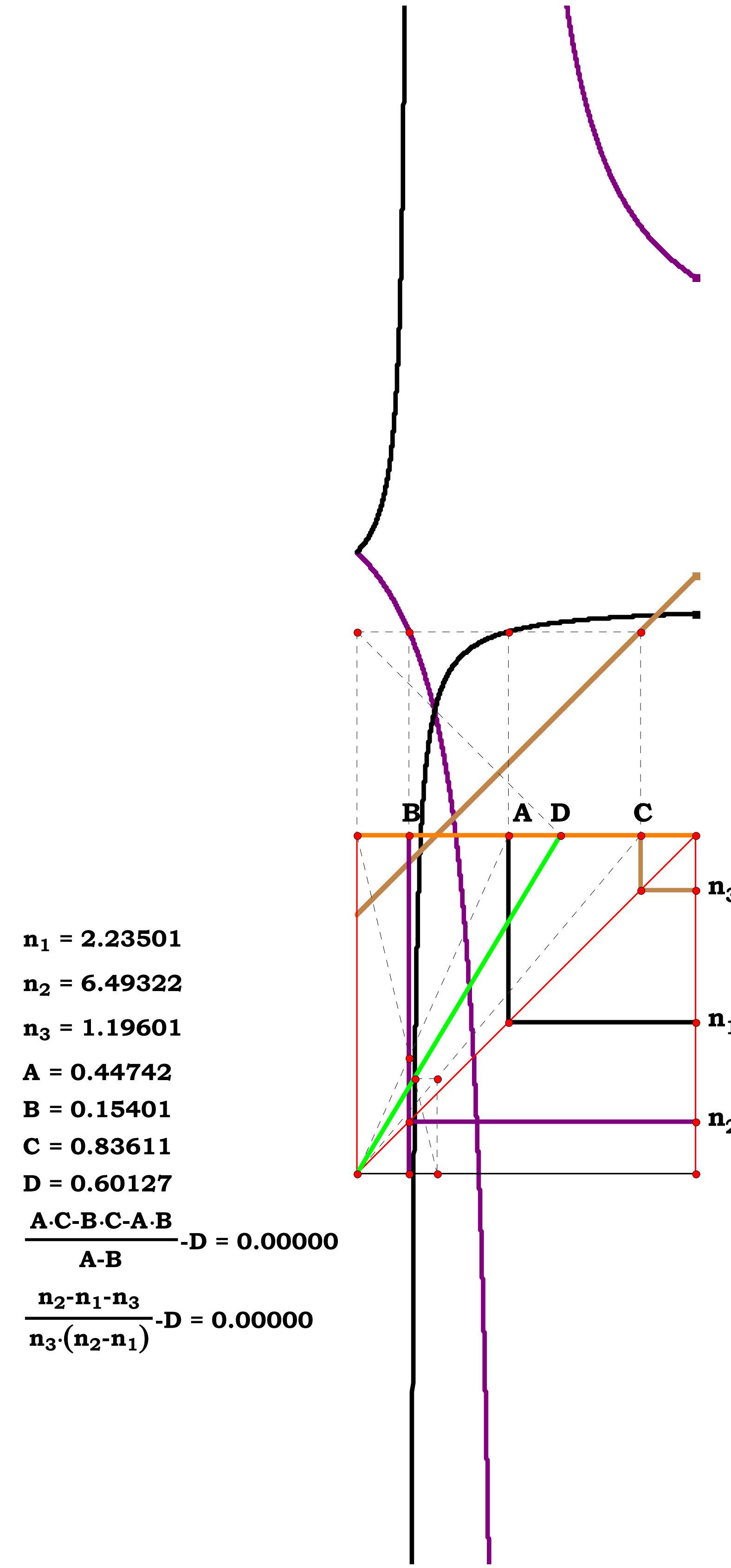
$D := \dfrac{bf - cd}{df}$ $D = 0.565908$

Definitions.

$$D - \frac{A \cdot C - A \cdot B - B \cdot C}{A - B} = 0$$

$$D - \frac{(n_2 - n_1 - n_3)}{n_3 \cdot (n_2 - n_1)} = 0$$





1CST1R7

Given. $A := .48247$ $B := .25916$

$C := .32969$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$$

Descriptions.

$$cB := 1 - \frac{B}{A} \quad D := \frac{C}{1 - cB}$$

$D = 0.613773$

Definitions.

$$D - \frac{A \cdot C}{B} = 0$$

$$D - \frac{n_2}{n_1 \cdot n_3} = 0$$

$n_1 = 2.07265$

$n_2 = 3.85866$

$n_3 = 3.03315$

$A = 0.48247$

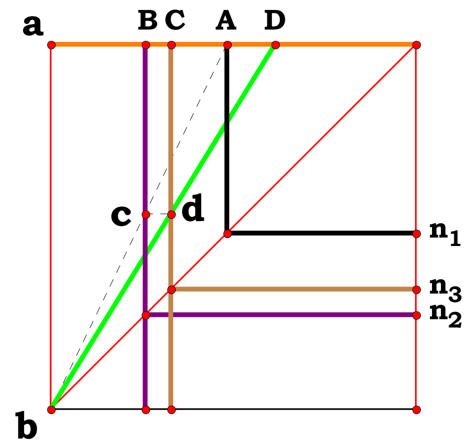
$B = 0.25916$

$C = 0.32969$

$D = 0.61379$

$\frac{A \cdot C}{B} - D = 0.00000$

$\frac{n_2}{n_1 \cdot n_3} - D = 0.00000$



$n_1 = 2.07265$

$n_2 = 3.85866$

$n_3 = 3.03315$

$A = 0.48247$

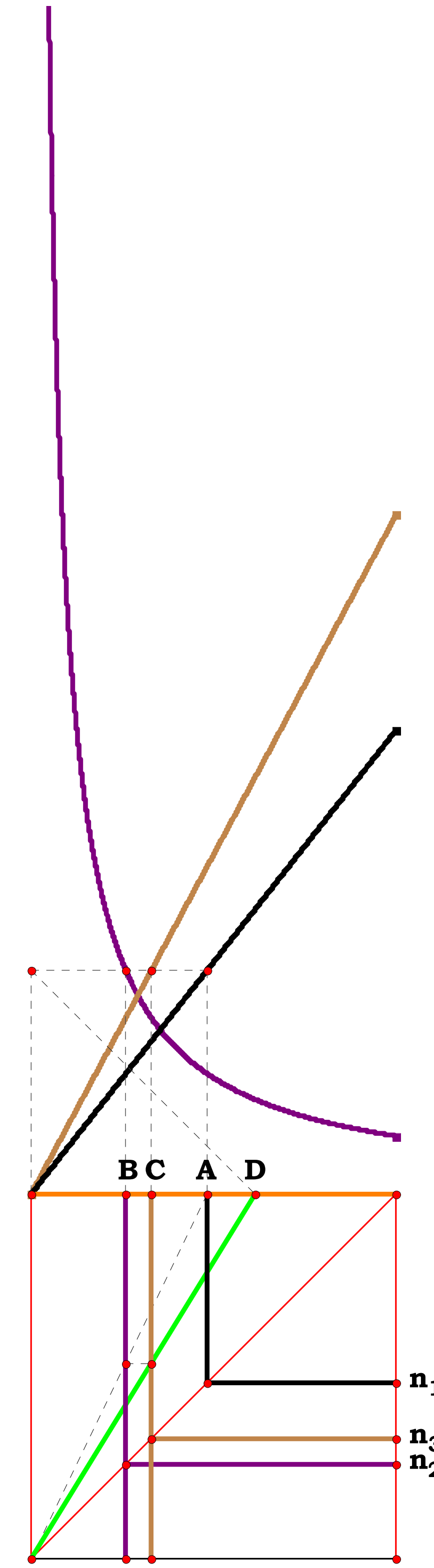
$B = 0.25916$

$C = 0.32969$

$D = 0.61379$

$\frac{A \cdot C}{B} - D = 0.00000$

$\frac{n_2}{n_1 \cdot n_3} - D = 0.00000$



1CST1R8

Given. $A := .71906$ $B := .45193$

$C := .32380$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$

Descriptions.

$cB := 1 - \frac{B}{A}$ $ae := \frac{C}{1 - cB}$

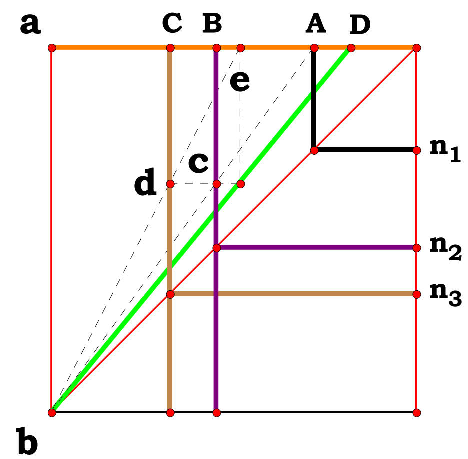
$D := \frac{ae}{1 - cB}$ $D = 0.819719$

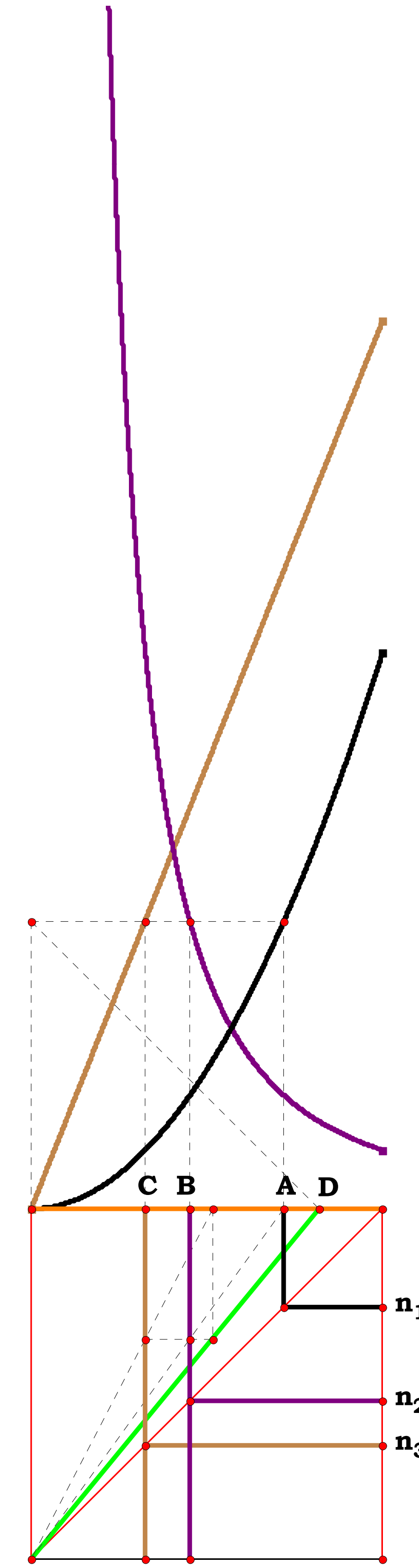
Definitions.

$$D - \frac{A^2 \cdot C}{B^2} = 0$$

$$D - \frac{{n_2}^2}{{n_1}^2 \cdot n_3} = 0$$

$n_1 = 1.39070$
$n_2 = 2.21272$
$n_3 = 3.08834$
$A = 0.71906$
$B = 0.45193$
$C = 0.32380$
$D = 0.81971$
$\frac{A^2 \cdot C}{B^2} - D = 0.00000$
$\frac{{n_2}^2}{{n_1}^2 \cdot n_3} - D = 0.00000$





$n_1 = 1.39070$
$n_2 = 2.21272$
$n_3 = 3.08834$
$A = 0.71906$
$B = 0.45193$
$C = 0.32380$
$D = 0.81971$
$\frac{A^2 \cdot C}{B^2} - D = 0.00000$
$\frac{{n_2}^2}{{n_1}^2 \cdot n_3} - D = 0.00000$

1CST1R9

Given. $A := 4.91650 \quad B := 1.52772$

$C := 2.02884$

$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$

Descriptions.

$cB := \frac{A - B}{A} \qquad D := \frac{C}{cB}$

$D = 2.943476$

Definitions.

$$D - \frac{A \cdot C}{A - B} = 0$$

$$D - \frac{n_2}{n_3 \cdot (n_2 - n_1)} = 0$$

$n_1 = 1.39922$

$n_2 = 3.67241$

$n_3 = 1.96376$

$A = 0.71468$

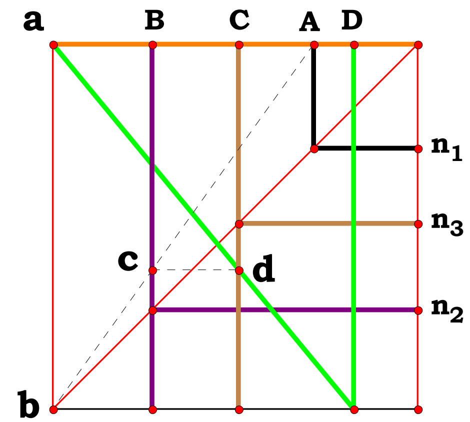
$B = 0.27230$

$C = 0.50923$

$D = 0.82268$

$\frac{A \cdot C}{A - B} - D = 0.00000$

$\frac{n_2}{n_3 \cdot (n_2 - n_1)} - D = 0.00000$



$n_1 = 1.39922$

$n_2 = 3.67241$

$n_3 = 1.96376$

$A = 0.71468$

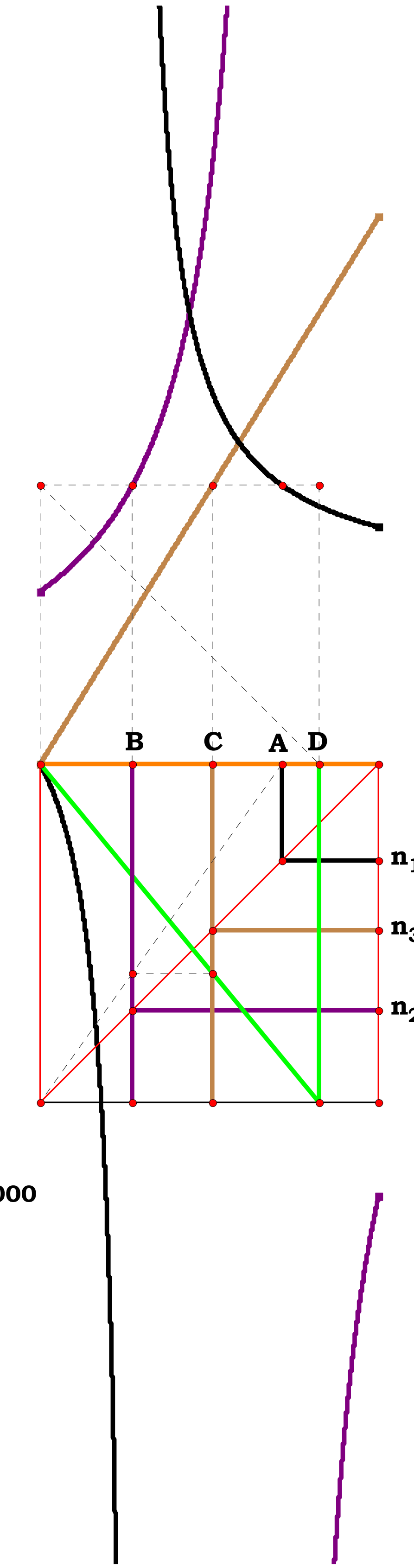
$B = 0.27230$

$C = 0.50923$

$D = 0.82268$

$\frac{A \cdot C}{A - B} - D = 0.00000$

$\frac{n_2}{n_3 \cdot (n_2 - n_1)} - D = 0.00000$



1CST1R10

Given. $A := 3.19161$ $B := 1.68348$

$C := 1.24184$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$$

Descriptions.

$$cB := \frac{A - B}{A} \qquad ad := \frac{C}{1 - cB}$$

$$D := \frac{ad}{cB} \qquad D = 4.982399$$

Definitions.

$$D - \frac{A^2 \cdot C}{B \cdot (A - B)} = 0$$

$$D - \frac{n_2^{\ 2}}{n_3 \cdot \left(n_1 \cdot n_2 - n_1^{\ 2}\right)} = 0$$

$n_1 = 1.28139$

$n_2 = 2.99725$

$n_3 = 5.91982$

$A = 0.78040$

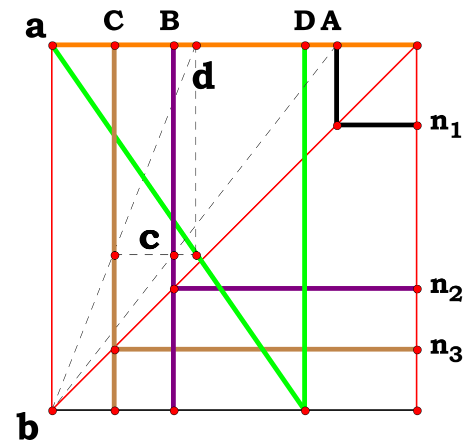
$B = 0.33364$

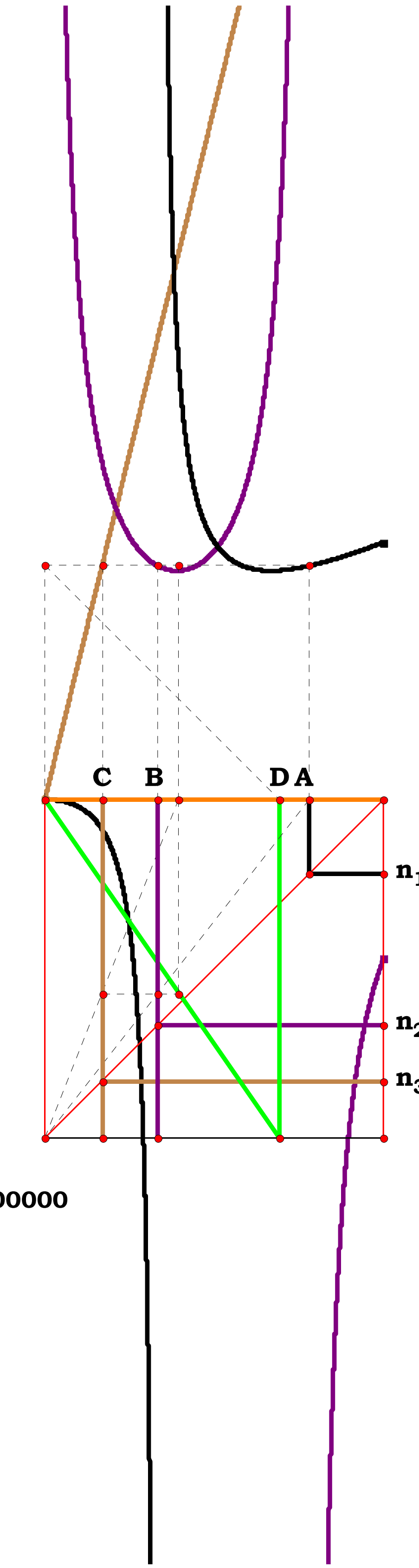
$C = 0.16892$

$D = 0.69020$

$\frac{A^2 \cdot C}{B \cdot (A-B)} - D = 0.00000$

$\frac{n_2^2}{n_3 \cdot (n_1 \cdot n_2 - n_1^2)} - D = 0.00000$





$n_1 = 1.28139$

$n_2 = 2.99725$

$n_3 = 5.91982$

$A = 0.78040$

$B = 0.33364$

$C = 0.16892$

$D = 0.69020$

$\frac{A^2 \cdot C}{B \cdot (A-B)} - D = 0.00000$

$\frac{n_2^2}{n_3 \cdot (n_1 \cdot n_2 - n_1^2)} - D = 0.00000$

1CST2R0

Given. $A := .77602$ $B := .40374$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$

Descriptions.

$bd := B$ $C := \frac{bd \cdot A}{bd + A}$

$C = 0.265571$

Definitions.

$$C - \frac{A \cdot B}{A + B} = 0$$

$$C - \frac{1}{n_1 + n_2} = 0$$

$n_1 = 1.28863$

$n_2 = 2.47685$

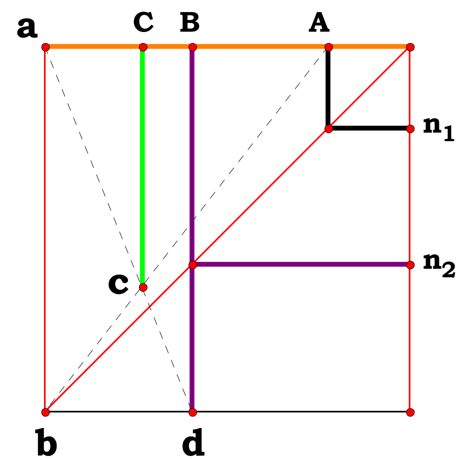
$A = 0.77602$

$B = 0.40374$

$C = 0.26557$

$\frac{A \cdot B}{A+B} - C = 0.00000$

$\frac{1}{n_1+n_2} - C = 0.00000$



$n_1 = 1.28863$

$n_2 = 2.47685$

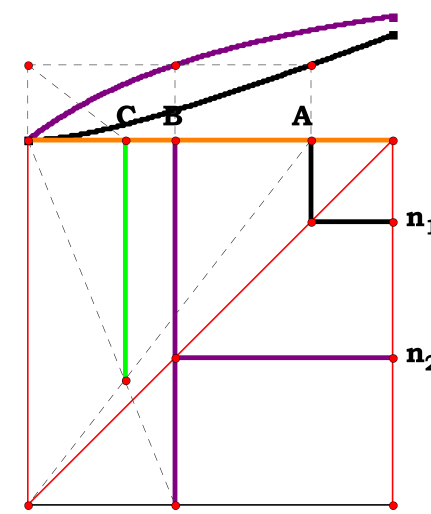
$A = 0.77602$

$B = 0.40374$

$C = 0.26557$

$\frac{A \cdot B}{A+B} - C = 0.00000$

$\frac{1}{n_1+n_2} - C = 0.00000$



1CST2R1

Given. $A := 2.70683$ $\quad B := 3.68191$

$C := 5.30802$

$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$

Descriptions.

$ad := \frac{A \cdot B}{A + B} \qquad D := \frac{ad \cdot C}{ad + C}$

$D = 1.20565$

Definitions.

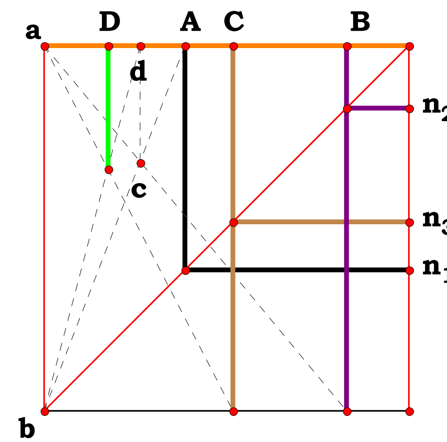
$$D - \frac{A \cdot B \cdot C}{A \cdot B + A \cdot C + B \cdot C} = 0$$

$$D - \frac{1}{n_1 + n_2 + n_3} = 0$$

$n_1 = 2.59009$
$n_2 = 1.20668$
$n_3 = 1.93491$
$A = 0.38609$
$B = 0.82872$
$C = 0.51682$
$D = 0.17447$

$\frac{A \cdot B \cdot C}{A \cdot B + A \cdot C + B \cdot C} - D = 0.00000$

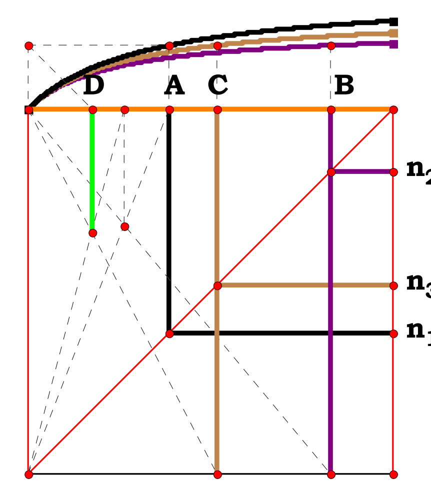
$\frac{1}{n_1 + n_2 + n_3} - D = 0.00000$



$n_1 = 2.59009$
$n_2 = 1.20668$
$n_3 = 1.93491$
$A = 0.38609$
$B = 0.82872$
$C = 0.51682$
$D = 0.17447$

$\frac{A \cdot B \cdot C}{A \cdot B + A \cdot C + B \cdot C} - D = 0.00000$

$\frac{1}{n_1 + n_2 + n_3} - D = 0.00000$



1CST2R2

Given. $A := .90308 \qquad B := .62280$

$C := .30796$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$$

Descriptions.

$$ae := \frac{A \cdot B}{A + B} \qquad ac := \frac{ae \cdot C}{ae + C}$$

$$cd := \frac{ac}{C} \qquad D := \frac{ae}{1 - cd}$$

$D = 0.809778$

Definitions.

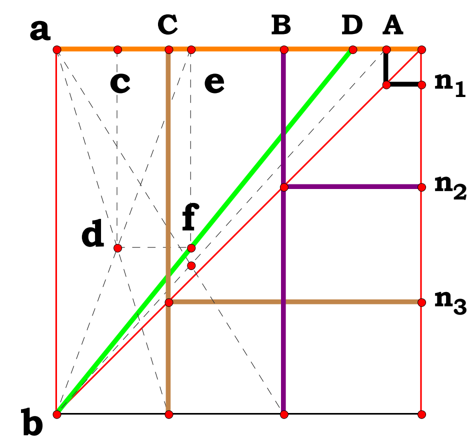
$$D - \frac{A \cdot B \cdot (A \cdot B + A \cdot C + B \cdot C)}{C \cdot (A + B)^2} = 0$$

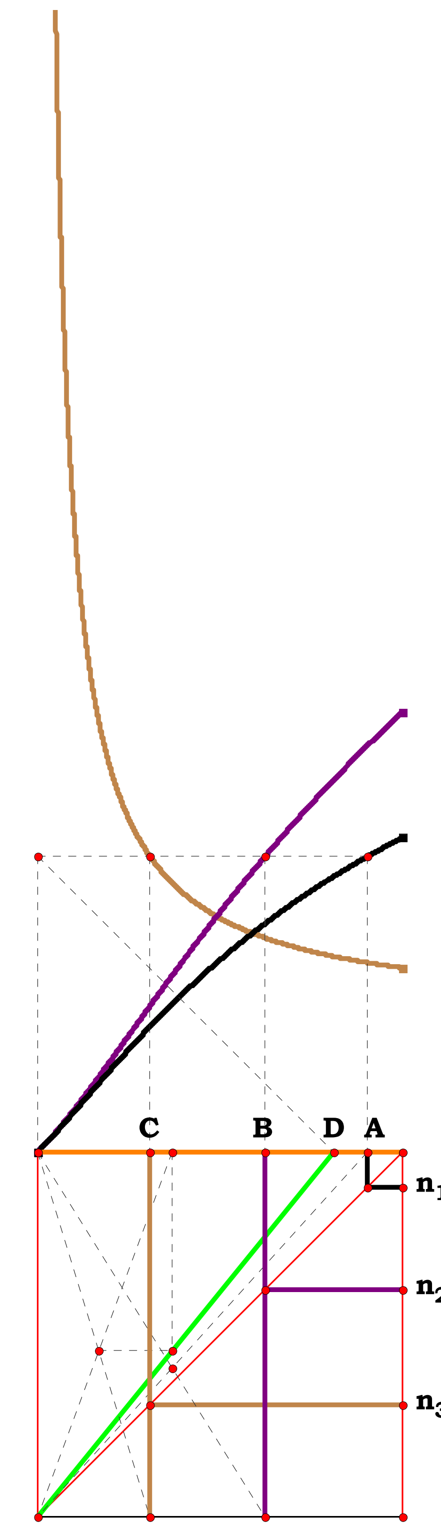
$$D - \frac{(n_1 + n_2 + n_3)}{(n_1 + n_2)^2} = 0$$

$n_1 = 1.10732$
$n_2 = 1.60564$
$n_3 = 3.24717$
$A = 0.90308$
$B = 0.62280$
$C = 0.30796$
$D = 0.80978$

$\frac{A \cdot B \cdot (A \cdot B + A \cdot C + B \cdot C)}{C \cdot (A+B)^2} - D = 0.00000$

$\frac{n_1 + n_2 + n_3}{(n_1 + n_2)^2} - D = 0.00000$





$n_1 = 1.10732$
$n_2 = 1.60564$
$n_3 = 3.24717$
$A = 0.90308$
$B = 0.62280$
$C = 0.30796$
$D = 0.80978$

$\frac{A \cdot B \cdot (A \cdot B + A \cdot C + B \cdot C)}{C \cdot (A+B)^2} - D = 0.00000$

$\frac{n_1 + n_2 + n_3}{(n_1 + n_2)^2} - D = 0.00000$



1CST2R3

Given. $A := .79355 \qquad B := .67976$

$C := .50576 \qquad D := .25826$

$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D}$

Descriptions.

$ag := \frac{A \cdot B}{A + B} \qquad ac := \frac{ag \cdot C}{ag + C}$

$cd := \frac{ac}{C} \qquad R_1 := \frac{D}{1 - cd}$

$R_1 = 0.44522$

Definitions.

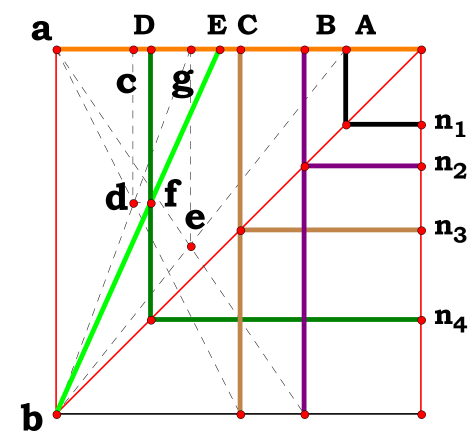
$$R_1 - \frac{A \cdot D \cdot (B + C) + B \cdot C \cdot D}{C \cdot (A + B)} = 0$$

$$R_1 - \frac{n_1 + n_2 + n_3}{n_4 \cdot (n_1 + n_2)} = 0$$

$n_1 = 1.26017$
$n_2 = 1.47111$
$n_3 = 1.97721$
$n_4 = 3.87203$
$A = 0.79355$
$B = 0.67976$
$C = 0.50576$
$D = 0.25826$
$E = 0.44522$

$\frac{A \cdot D \cdot (B+C)+B \cdot C \cdot D}{C \cdot (A+B)} - E = 0.00000$

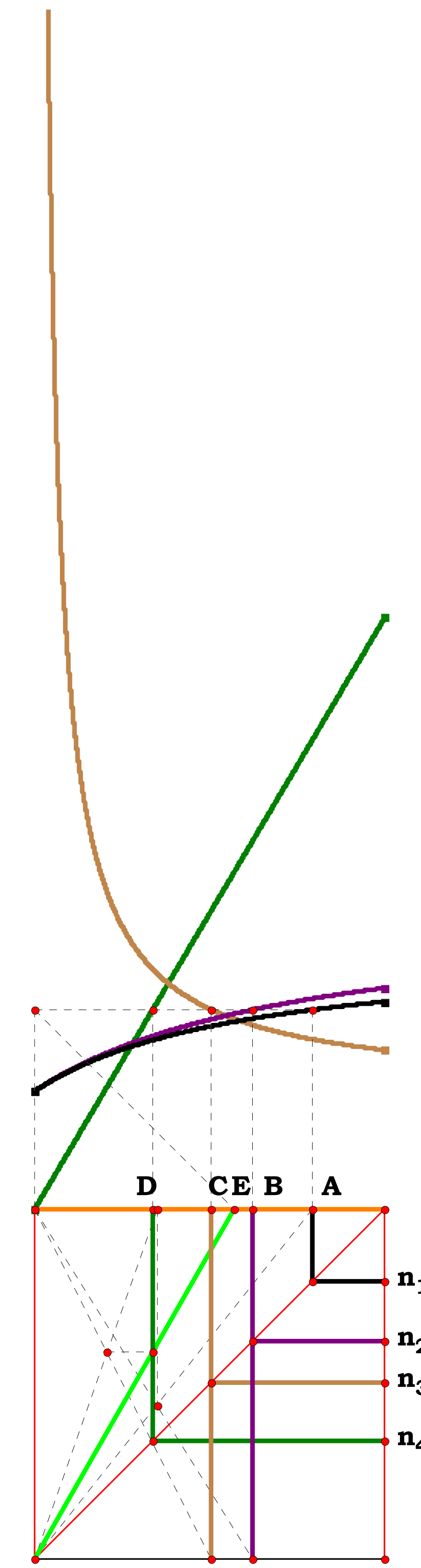
$\frac{n_1+n_2+n_3}{n_4 \cdot (n_1+n_2)} - E = 0.00000$



$n_1 = 1.26017$
$n_2 = 1.60564$
$n_3 = 1.97721$
$n_4 = 2.96626$
$A = 0.79355$
$B = 0.62280$
$C = 0.50576$
$D = 0.33713$
$E = 0.56972$

$\frac{A \cdot D \cdot (B+C)+B \cdot C \cdot D}{C \cdot (A+B)} - E = 0.00000$

$\frac{n_1+n_2+n_3}{n_4 \cdot (n_1+n_2)} - E = 0.00000$



1CST2R4

Given. $A := .72783$ $B := .58337$

$C := .48261$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$

Descriptions.

$ad := \frac{A \cdot B}{A + B}$ $ac := \frac{ad \cdot C}{ad + C}$

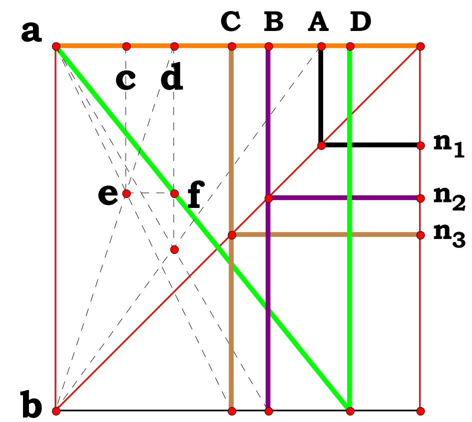
$ce := \frac{ac}{C}$ $D := \frac{ad}{ce}$

$D = 0.806431$

Definitions.

$$D - \frac{A \cdot B + C \cdot (A + B)}{A + B} = 0$$

$$D - \frac{n_1 + n_2 + n_3}{n_3 \cdot (n_1 + n_2)} = 0$$



$n_1 = 1.37395$

$n_2 = 1.71417$

$n_3 = 2.07206$

$A = 0.72783$

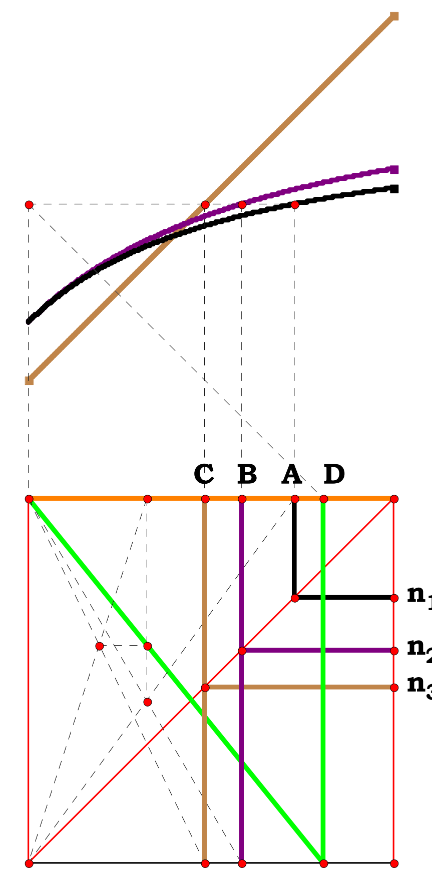
$B = 0.58337$

$C = 0.48261$

$D = 0.80643$

$\frac{A \cdot B + C \cdot (A+B)}{A+B} - D = 0.00000$

$\frac{n_1 + n_2 + n_3}{n_3 \cdot (n_1 + n_2)} - D = 0.00000$



$n_1 = 1.37395$

$n_2 = 1.71417$

$n_3 = 2.07206$

$A = 0.72783$

$B = 0.58337$

$C = 0.48261$

$D = 0.80643$

$\frac{A \cdot B + C \cdot (A+B)}{A+B} - D = 0.00000$

$\frac{n_1 + n_2 + n_3}{n_3 \cdot (n_1 + n_2)} - D = 0.00000$



1CST2R5

Given. $A := .63582$ $B := .47384$

$C := .36755$ $D := .75192$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D}$$

Descriptions.

$$ad := \frac{A \cdot B}{A + B} \qquad ac := \frac{ad \cdot C}{ad + C}$$

$$ce := \frac{ac}{C} \qquad E := D \cdot (1 - ce)$$

$$E = 0.432465$$

Definitions.

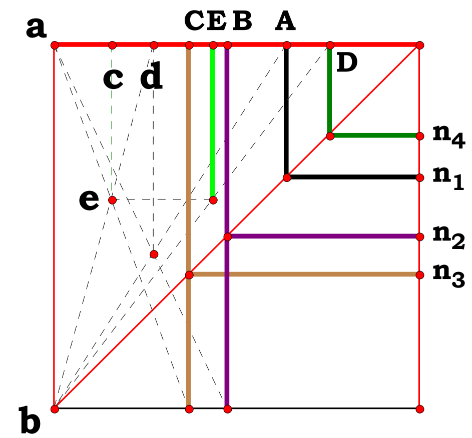
$$E - \frac{C \cdot D \cdot (A + B)}{A \cdot B + C \cdot (A + B)} = 0$$

$$E - \frac{(n_1 + n_2)}{n_4 \cdot (n_1 + n_2 + n_3)} = 0$$

$n_1 = 1.57277$
$n_2 = 2.11042$
$n_3 = 2.72073$
$n_4 = 1.32993$
$A = 0.63582$
$B = 0.47384$
$C = 0.36755$
$D = 0.75192$
$E = 0.43246$

$$\frac{C \cdot D \cdot (A+B)}{A \cdot B + C \cdot (A+B)} - E = 0.00000$$

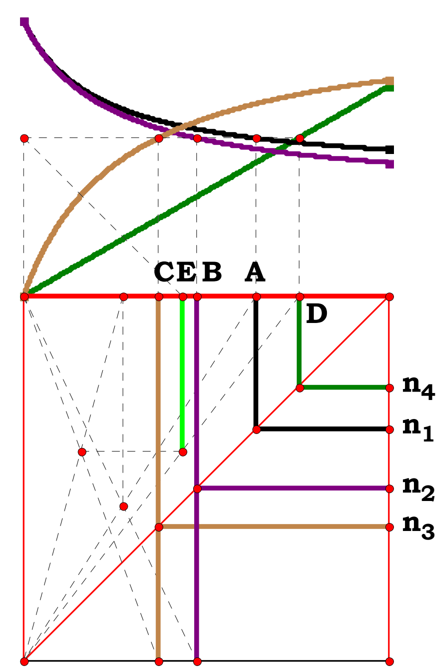
$$\frac{n_1 + n_2}{n_4 \cdot (n_1 + n_2 + n_3)} - E = 0.00000$$



$n_1 = 1.57277$
$n_2 = 2.11042$
$n_3 = 2.72073$
$n_4 = 1.32993$
$A = 0.63582$
$B = 0.47384$
$C = 0.36755$
$D = 0.75192$
$E = 0.43246$

$$\frac{C \cdot D \cdot (A+B)}{A \cdot B + C \cdot (A+B)} - E = 0.00000$$

$$\frac{n_1 + n_2}{n_4 \cdot (n_1 + n_2 + n_3)} - E = 0.00000$$



1CST2R6

Given. $A := 4.16164$ $B := 1.79591$

$C := 1.38971$ $D := 2.87533$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$ $n_4 := \frac{1}{D}$

Descriptions.

$af := \frac{A \cdot B}{A + B}$ $ac := \frac{af \cdot C}{af + C}$

$cd := \frac{ac}{C}$ $ae := D \cdot (1 - cd)$

$E := \frac{ae}{cd}$ $E = 3.185154$

Definitions.

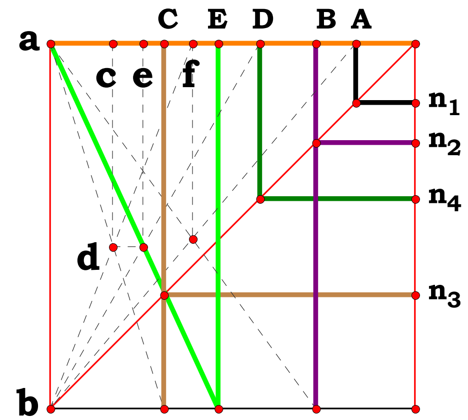
$$E - \frac{C \cdot D \cdot (A + B)}{A \cdot B} = 0$$

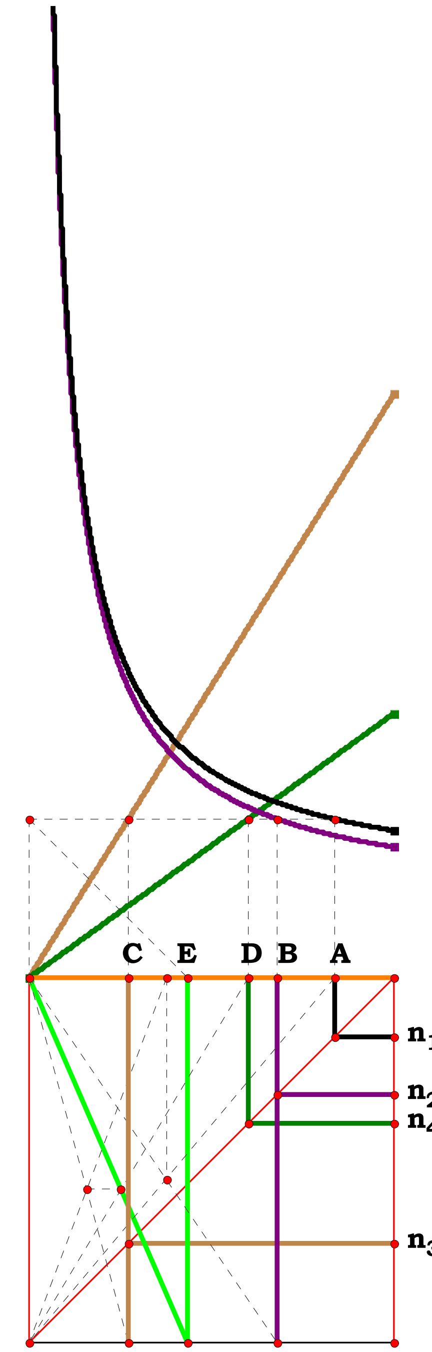
$$E - \frac{n_1 + n_2}{n_3 \cdot n_4} = 0$$

$n_1 = 1.19423$
$n_2 = 1.37371$
$n_3 = 3.21500$
$n_4 = 1.74437$
$A = 0.83736$
$B = 0.72795$
$C = 0.31104$
$D = 0.57327$
$E = 0.45790$

$\frac{C \cdot D \cdot (A+B)}{A \cdot B} - E = 0.00000$

$\frac{n_1+n_2}{n_3 \cdot n_4} - E = 0.00000$





$n_1 = 1.19423$
$n_2 = 1.47111$
$n_3 = 3.68175$
$n_4 = 1.66788$
$A = 0.83736$
$B = 0.67976$
$C = 0.27161$
$D = 0.59956$
$E = 0.43404$

$\frac{C \cdot D \cdot (A+B)}{A \cdot B} - E = 0.00000$

$\frac{n_1+n_2}{n_3 \cdot n_4} - E = 0.00000$

1CST2R7

Given. $A := 3.19415$ $B := 1.77326$

$C := 2.52252$ $D := 1.53229$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D}$$

Descriptions.

$$ae := \frac{A \cdot B}{A + B} \qquad ac := \frac{ae \cdot C}{ae + C}$$

$$cd := \frac{ac}{C} \qquad E := \frac{D}{cd}$$

$E = 4.92212$

Definitions.

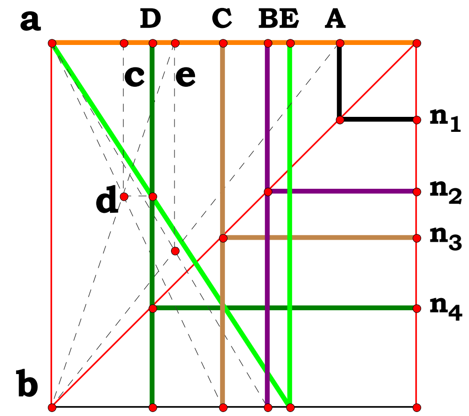
$$E - \frac{D \cdot [A \cdot B + C \cdot (A + B)]}{A \cdot B} = 0$$

$$E - \frac{n_1 + n_2 + n_3}{n_3 \cdot n_4} = 0$$

$n_1 = 1.26716$
$n_2 = 1.68881$
$n_3 = 2.13955$
$n_4 = 3.65018$
$A = 0.78916$
$B = 0.59213$
$C = 0.46739$
$D = 0.27396$
$E = 0.65246$

$$\frac{D\cdot(A\cdot B+C\cdot(A+B))}{A\cdot B}-E = 0.00000$$

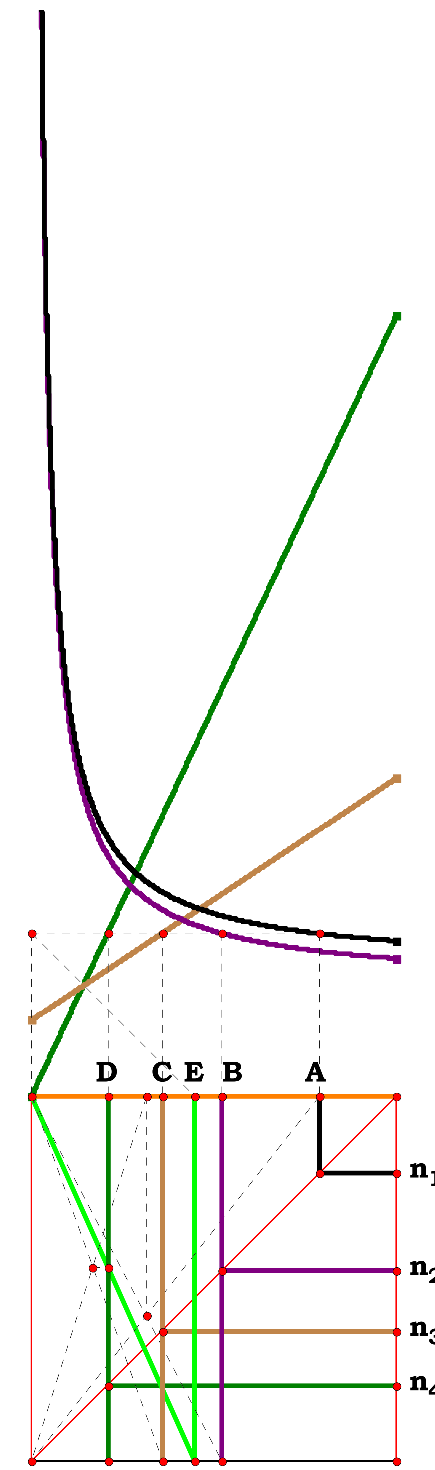
$$\frac{n_1+n_2+n_3}{n_3\cdot n_4}-E = 0.00000$$



$n_1 = 1.26716$
$n_2 = 1.91558$
$n_3 = 2.79443$
$n_4 = 4.80216$
$A = 0.78916$
$B = 0.52203$
$C = 0.35786$
$D = 0.20824$
$E = 0.44542$

$$\frac{D\cdot(A\cdot B+C\cdot(A+B))}{A\cdot B}-E = 0.00000$$

$$\frac{n_1+n_2+n_3}{n_3\cdot n_4}-E = 0.00000$$



1CST3R0

Given. $A := .79793$ $\quad B := .61842$

$C := .44824$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$$

Descriptions.

$$de := \frac{B}{A} \qquad cD := 1 - de$$

$$DC := C \cdot cD \qquad D := C - DC$$

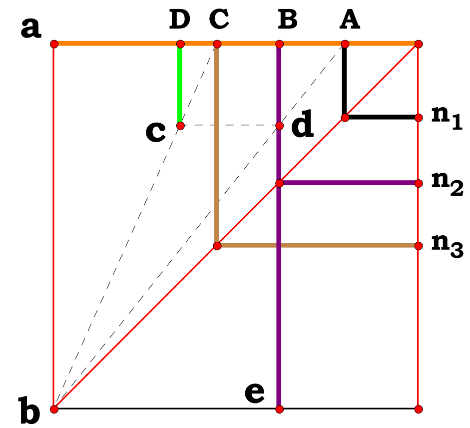
$$D = 0.3474$$

Definitions.

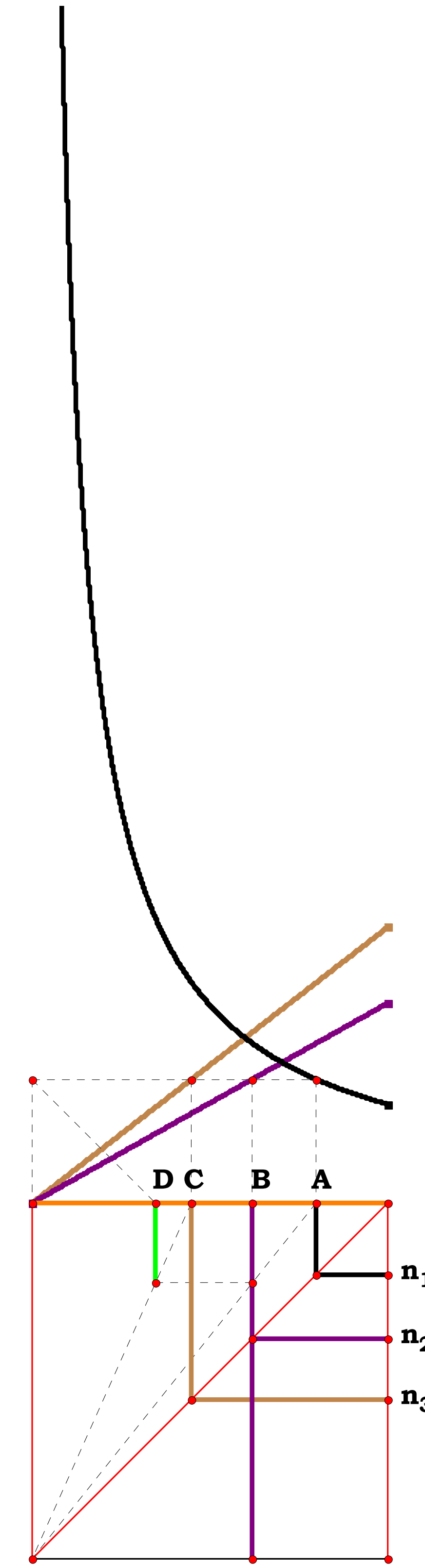
$$D - \frac{B \cdot C}{A} = 0$$

$$D - \frac{n_1}{n_2 \cdot n_3} = 0$$

$n_1 = 1.25325$
$n_2 = 1.61702$
$n_3 = 2.23096$
$A = 0.79793$
$B = 0.61842$
$C = 0.44824$
$D = 0.34740$
$\frac{B \cdot C}{A} - D = 0.00000$
$\frac{n_1}{n_2 \cdot n_3} - D = 0.00000$



$n_1 = 1.25325$
$n_2 = 1.61702$
$n_3 = 2.23096$
$A = 0.79793$
$B = 0.61842$
$C = 0.44824$
$D = 0.34740$
$\frac{B \cdot C}{A} - D = 0.00000$
$\frac{n_1}{n_2 \cdot n_3} - D = 0.00000$



1CST3R1

Given. $A := .81983$ $\quad B := .59213$

$C := .41609$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$$

Descriptions.

$$ad := B \cdot \frac{C}{A} \qquad cD := \frac{A - B}{A}$$

$$dD := ad \cdot cD \qquad D := ad - dD$$

$D = 0.217057$

Definitions.

$$D - \frac{B^2 \cdot C}{A^2} = 0$$

$$D - \frac{{n_1}^2}{{n_2}^2 \cdot n_3} = 0$$

$n_1 = 1.21976$

$n_2 = 1.68881$

$n_3 = 2.40334$

A = 0.81983

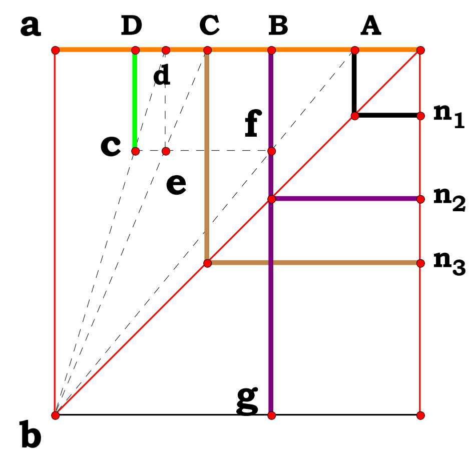
B = 0.59213

C = 0.41609

D = 0.21706

$\frac{B^2 \cdot C}{A^2} - D = 0.00000$

$\frac{{n_1}^2}{{n_2}^2 \cdot n_3} - D = 0.00000$



$n_1 = 1.28139$

$n_2 = 1.68881$

$n_3 = 2.40334$

A = 0.78040

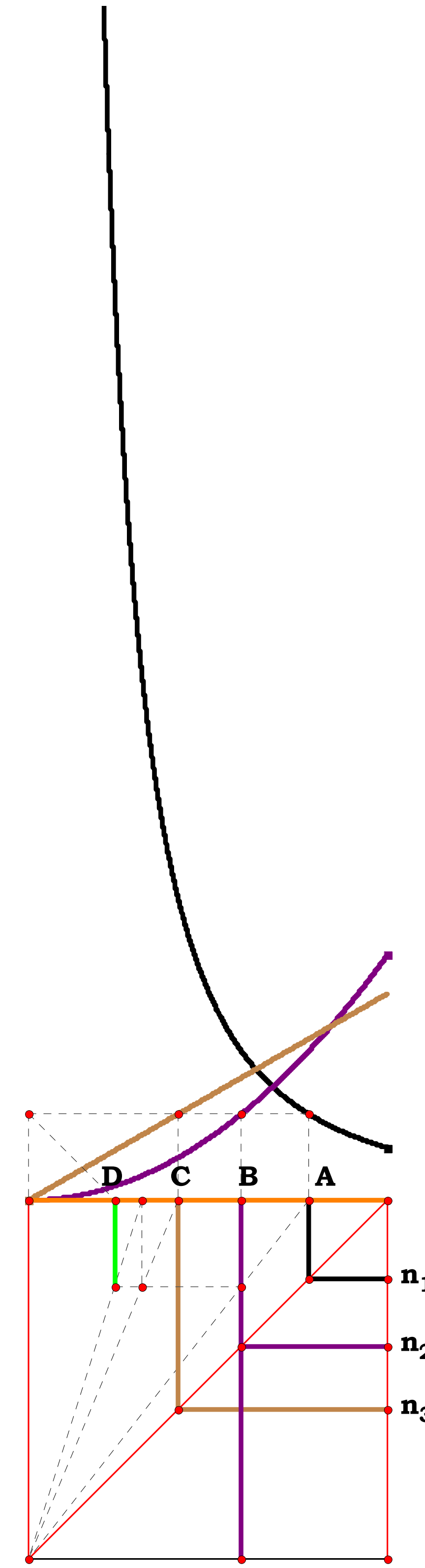
B = 0.59213

C = 0.41609

D = 0.23955

$\frac{B^2 \cdot C}{A^2} - D = 0.00000$

$\frac{{n_1}^2}{{n_2}^2 \cdot n_3} - D = 0.00000$



1CST3R2

Given. $A := .83298$ $B := .63157$

$C := .36918$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$

Descriptions.

$ad := \frac{B^2 \cdot C}{A^2}$ $cD := \frac{A - B}{A}$

$dr := ad \cdot cD$ $D := ad - dr$

$D = 0.160916$

Definitions.

$$D - \frac{B^3 \cdot C}{A^3} = 0$$

$$D - \frac{{n_1}^3}{{n_2}^3 \cdot n_3} = 0$$

$n_1 = 1.20051$

$n_2 = 1.58337$

$n_3 = 2.70870$

$A = 0.83298$

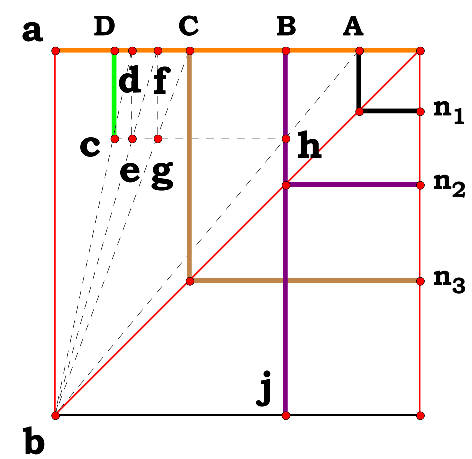
$B = 0.63157$

$C = 0.36918$

$D = 0.16091$

$\frac{B^3 \cdot C}{A^3} - D = 0.00000$

$\frac{{n_1}^3}{{n_2}^3 \cdot n_3} - D = 0.00000$



$n_1 = 1.20051$

$n_2 = 1.58337$

$n_3 = 2.70870$

$A = 0.83298$

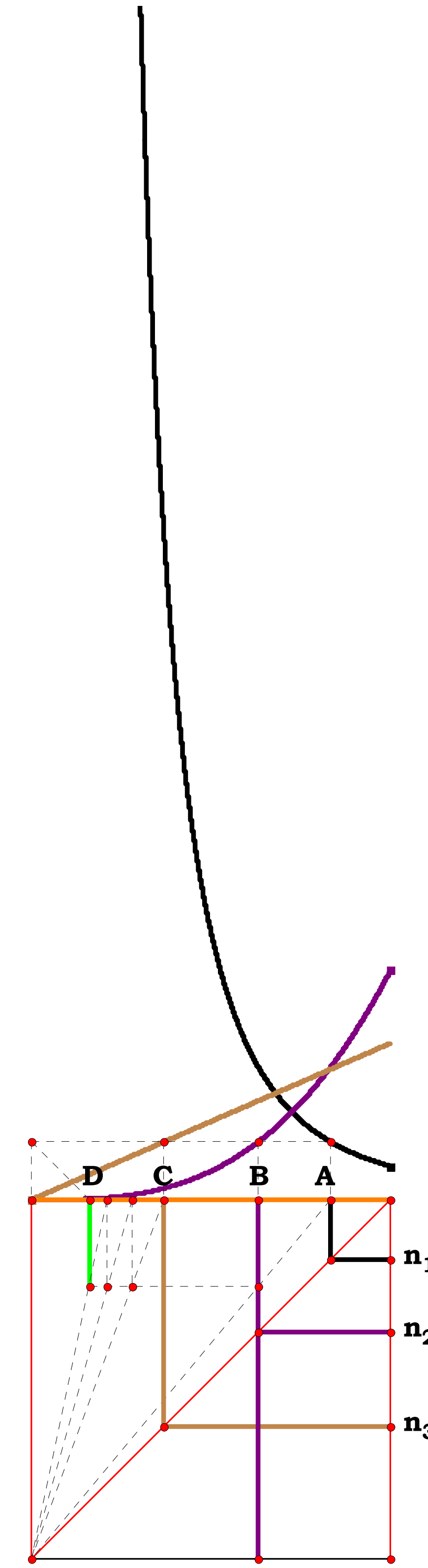
$B = 0.63157$

$C = 0.36918$

$D = 0.16091$

$\frac{B^3 \cdot C}{A^3} - D = 0.00000$

$\frac{{n_1}^3}{{n_2}^3 \cdot n_3} - D = 0.00000$



1CST3R3

Given. $A := .72783$ $B := .55708$

$C := .35545$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$$

Descriptions.

$$ad := \frac{B^3 \cdot C}{A^3} \qquad cd := \frac{A - B}{A} \qquad D := \frac{ad}{cd}$$

$D = 0.679377$

Definitions.

$$D - \frac{B^3 \cdot C}{A^2 \cdot (A - B)} = 0$$

$$D - \frac{n_1{}^3}{n_2{}^2 \cdot n_3 \cdot (n_2 - n_1)} = 0$$

$n_1 = 1.37395$

$n_2 = 1.79506$

$n_3 = 2.81332$

A = 0.72783

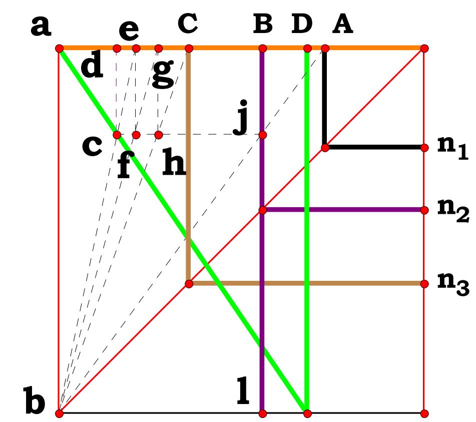
B = 0.55708

C = 0.35545

D = 0.67943

$\frac{B^3 \cdot C}{A^3 - A^2 \cdot B} - D = 0.00000$

$\frac{n_1{}^3}{n_2{}^2 \cdot n_3 \cdot (n_2 - n_1)} - D = 0.00000$



$n_1 = 1.37395$

$n_2 = 1.79506$

$n_3 = 2.81332$

A = 0.72783

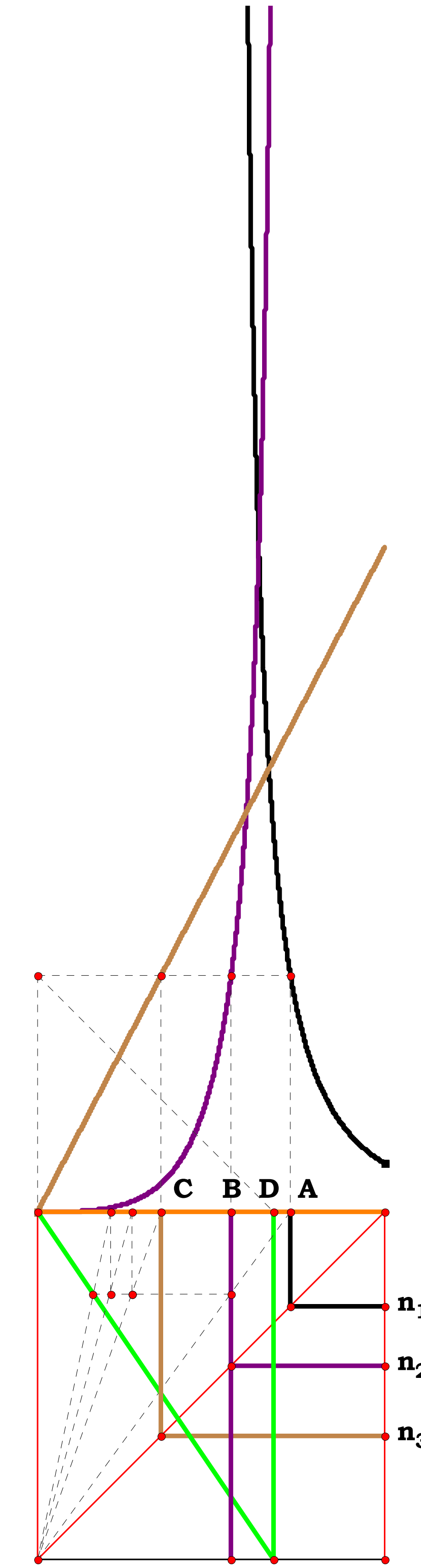
B = 0.55708

C = 0.35545

D = 0.67943

$\frac{B^3 \cdot C}{A^3 - A^2 \cdot B} - D = 0.00000$

$\frac{n_1{}^3}{n_2{}^2 \cdot n_3 \cdot (n_2 - n_1)} - D = 0.00000$





1CST3R4

Given. $A := .79793 \quad B := .58337$

$C := .26486$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$$

Descriptions.

$$cd := \frac{A - B}{A} \quad ac := \frac{B^2 \cdot C}{A^2} \quad D := \frac{ac}{cd}$$

$D = 0.526491$

Definitions.

$$D - \frac{B^2 \cdot C}{A \cdot (A - B)} = 0$$

$$D - \frac{{n_1}^2}{n_3 \cdot \left({n_2}^2 - n_1 \cdot n_2\right)} = 0$$

$n_1 = 1.25325$

$n_2 = 1.71417$

$n_3 = 3.77562$

$A = 0.79793$

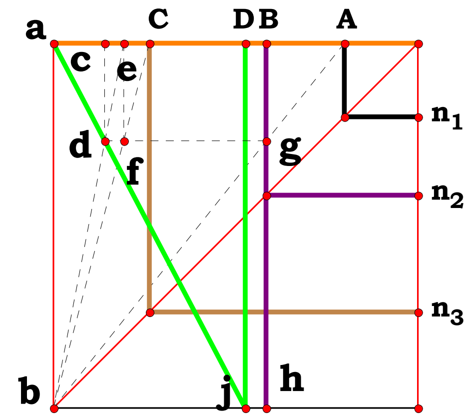
$B = 0.58337$

$C = 0.26486$

$D = 0.52650$

$\frac{B^2 \cdot C}{A^2 - A \cdot B} - D = 0.00000$

$\frac{n_1^2}{n_3 \cdot (n_2^2 - n_1 \cdot n_2)} - D = 0.00000$



$n_1 = 1.25325$

$n_2 = 1.71417$

$n_3 = 3.77562$

$A = 0.79793$

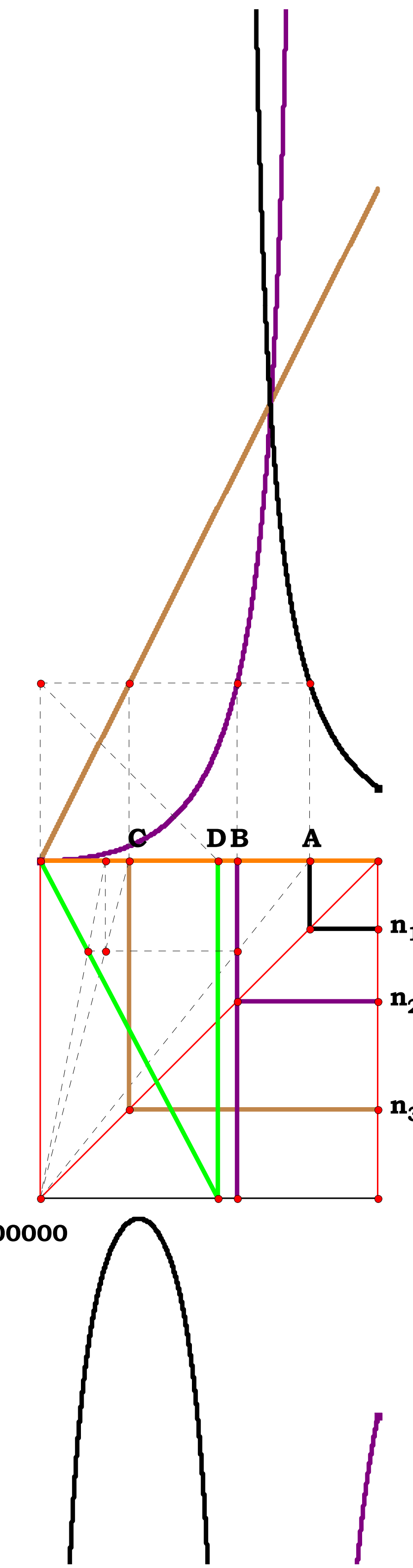
$B = 0.58337$

$C = 0.26486$

$D = 0.52650$

$\frac{B^2 \cdot C}{A^2 - A \cdot B} - D = 0.00000$

$\frac{n_1^2}{n_3 \cdot (n_2^2 - n_1 \cdot n_2)} - D = 0.00000$





1CST3R5

Given. $A := .65334$ $\quad B := .40812$

$C := .19260$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$$

Descriptions.

$$ac := \frac{B \cdot C}{A} \qquad cd := \frac{A - B}{A} \qquad R_1 := \frac{ac}{cd}$$

$R_1 = 0.320544$

Definitions.

$$R_1 - \frac{B \cdot C}{A - B} = 0$$

$$R_1 - \frac{n_1}{n_3 \cdot (n_2 - n_1)} = 0$$

$n_1 = 1.53059$

$n_2 = 2.45026$

$n_3 = 5.19221$

$A = 0.65334$

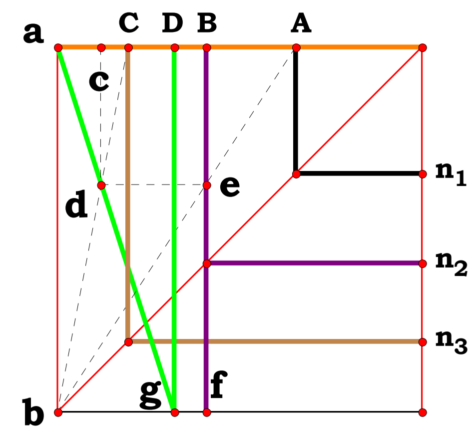
$B = 0.40812$

$C = 0.19260$

$D = 0.32053$

$\frac{B \cdot C}{A - B} - D = 0.00000$

$\frac{n_1}{n_3 \cdot (n_2 - n_1)} - D = 0.00000$



$n_1 = 1.53059$

$n_2 = 2.45026$

$n_3 = 5.19221$

$A = 0.65334$

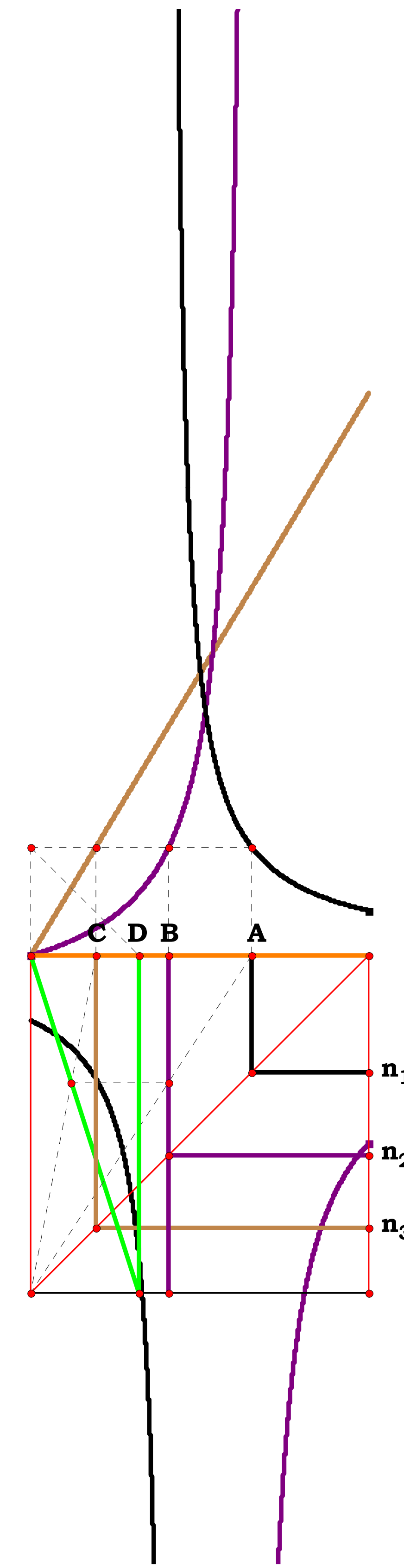
$B = 0.40812$

$C = 0.19260$

$D = 0.32053$

$\frac{B \cdot C}{A - B} - D = 0.00000$

$\frac{n_1}{n_3 \cdot (n_2 - n_1)} - D = 0.00000$



1CST3R6

Given. $A := .86365$

$B := .53080 \qquad C := .49964$

$D := .38562 \qquad E := .15822$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D} \quad n_5 := \frac{1}{E}$$

Descriptions.

$$gB := 1 - \frac{B}{A} \qquad cC := C \cdot gB$$

$$ac := C - cC \qquad bh := \frac{ac}{gB}$$

$$bf := \frac{bh \cdot D}{bh + D} \qquad ef := \frac{bf}{D} \qquad F := \frac{E}{ef}$$

$F = 0.234794$

Definitions.

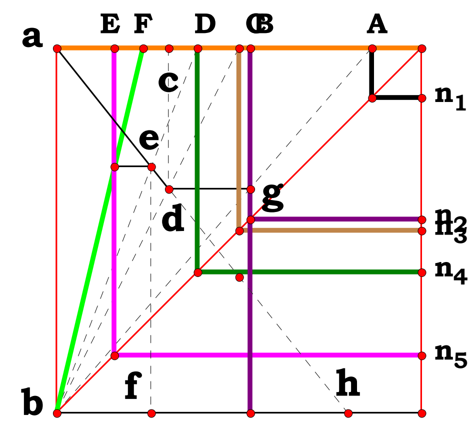
$$F - \frac{E \cdot [A \cdot D + B \cdot (C - D)]}{B \cdot C} = 0$$

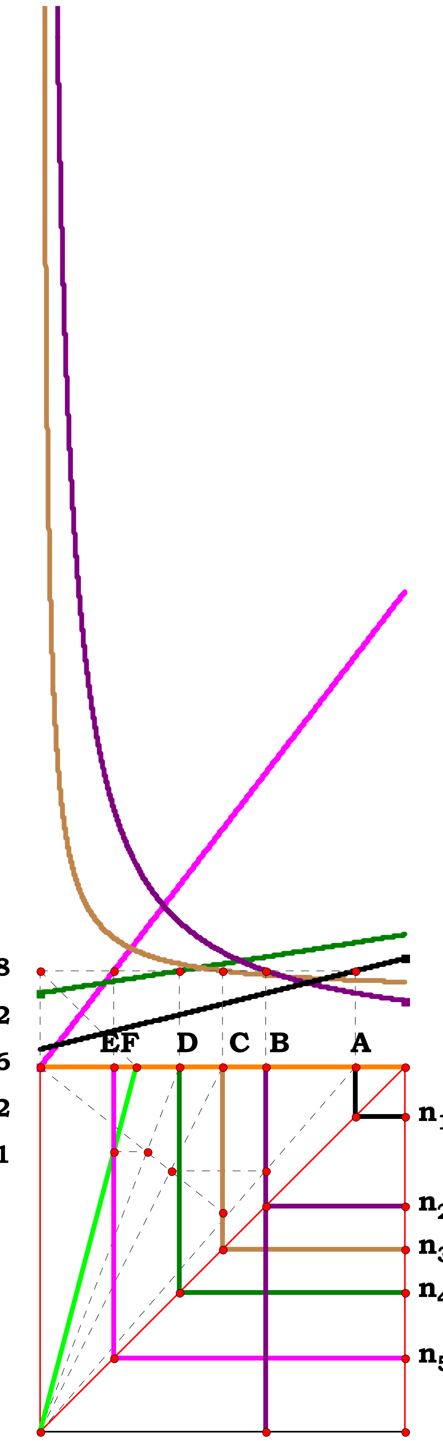
$$F - \frac{n_1 \cdot n_4 - n_1 \cdot n_3 + n_2 \cdot n_3}{n_1 \cdot n_4 \cdot n_5} = 0$$

$n_1 = 1.15788$
$n_2 = 1.88396$
$n_3 = 2.00146$
$n_4 = 2.59321$
$n_5 = 6.32050$
$A = 0.86365$
$B = 0.53080$
$C = 0.49964$
$D = 0.38562$
$E = 0.15822$
$F = 0.23479$

$\frac{E\cdot(A\cdot D+B\cdot(C-D))}{B\cdot C}-F = 0.00000$

$\frac{(n_1\cdot n_4-n_1\cdot n_3)+n_2\cdot n_3}{n_1\cdot n_4\cdot n_5}-F = 0.00000$





$n_1 = 1.15788$
$n_2 = 1.61702$
$n_3 = 2.00146$
$n_4 = 2.62302$
$n_5 = 4.94981$
$A = 0.86365$
$B = 0.61842$
$C = 0.49964$
$D = 0.38124$
$E = 0.20203$
$F = 0.26316$

$\frac{E\cdot(A\cdot D+B\cdot(C-D))}{B\cdot C}-F = 0.00000$

$\frac{(n_1\cdot n_4-n_1\cdot n_3)+n_2\cdot n_3}{n_1\cdot n_4\cdot n_5}-F = 0.00000$

1CST4R0

Given. $A := .83736$

$B := .20658 \qquad C := .40485$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$$

Descriptions.

$$dB := \frac{A - B}{A} \qquad D := C \cdot dB$$

$D = 0.304972$

Definitions.

$$D - \frac{C \cdot (A - B)}{A} = 0$$

$$D - \frac{n_2 - n_1}{n_2 \cdot n_3} = 0$$

$n_1 = 1.19423$

$n_2 = 4.84069$

$n_3 = 2.47004$

$A = 0.83736$

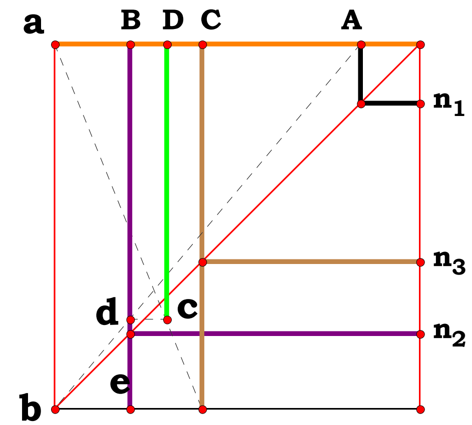
$B = 0.20658$

$C = 0.40485$

$D = 0.30497$

$\frac{C \cdot (A-B)}{A} - D = 0.00000$

$\frac{n_2 - n_1}{n_2 \cdot n_3} - D = 0.00000$



$n_1 = 1.19423$

$n_2 = 4.84069$

$n_3 = 2.47004$

$A = 0.83736$

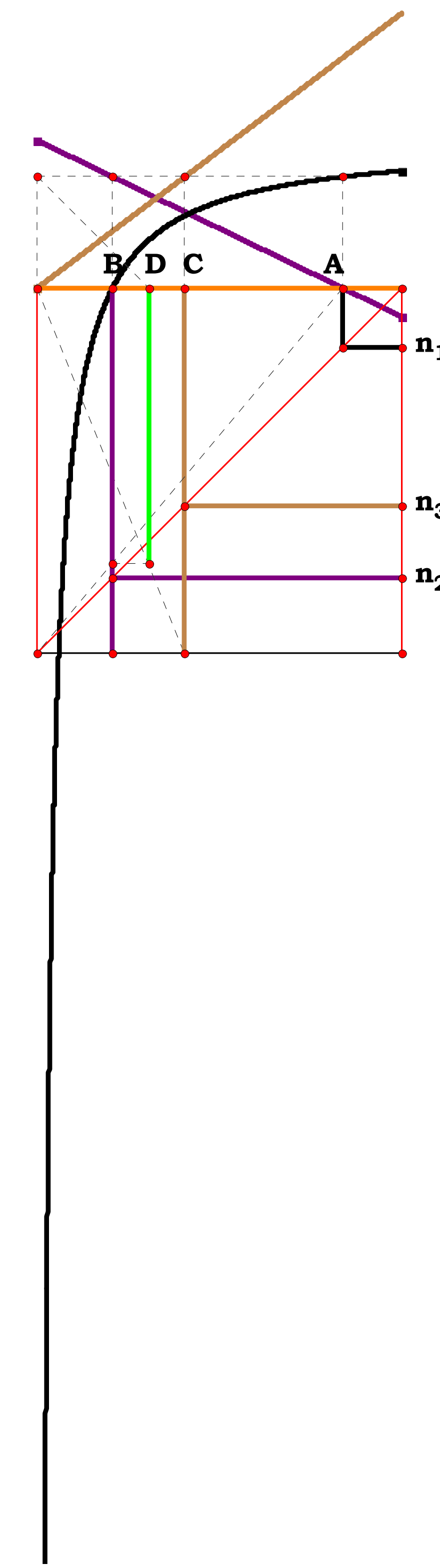
$B = 0.20658$

$C = 0.40485$

$D = 0.30497$

$\frac{C \cdot (A-B)}{A} - D = 0.00000$

$\frac{n_2 - n_1}{n_2 \cdot n_3} - D = 0.00000$



1CST4R1

Given. $A := .75850$

$B := .52643 \qquad C := .87116$

$n_1 := \dfrac{1}{A} \quad n_2 := \dfrac{1}{B} \quad n_3 := \dfrac{1}{C}$

Descriptions.

$cd := \dfrac{A - B}{A} \qquad ac := \dfrac{C \cdot (A - B)}{A}$

$D := \dfrac{ac}{1 - cd}$

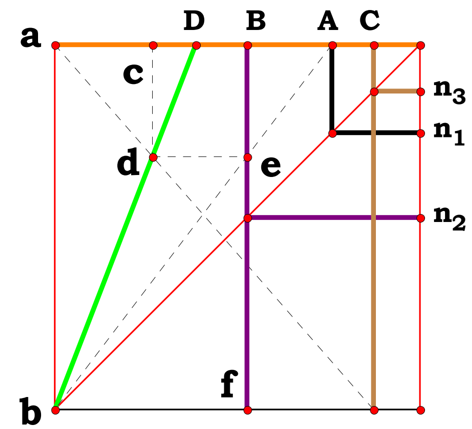
$D = 0.38404$

Definitions.

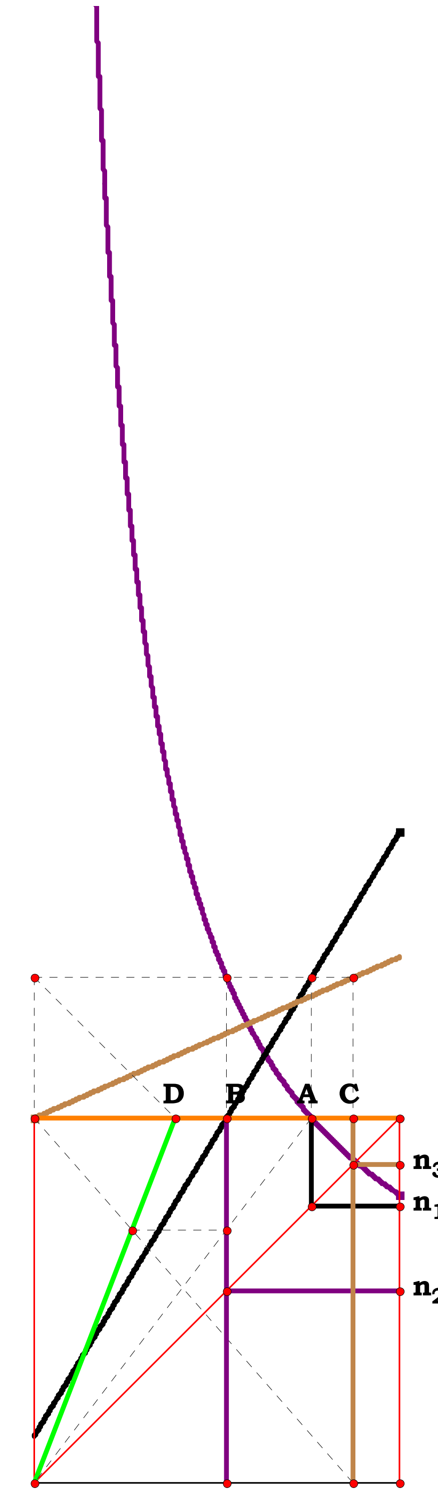
$D - \dfrac{C \cdot (A - B)}{B} = 0$

$D - \dfrac{n_2 - n_1}{n_1 \cdot n_3} = 0$

$n_1 = 1.31840$
$n_2 = 1.89959$
$n_3 = 1.14789$
$A = 0.75850$
$B = 0.52643$
$C = 0.87116$
$D = 0.38403$
$\dfrac{C \cdot (A\text{-}B)}{B}\text{-}D = 0.00000$
$\dfrac{n_2\text{-}n_1}{n_1 \cdot n_3}\text{-}D = 0.00000$



$n_1 = 1.31840$
$n_2 = 1.89959$
$n_3 = 1.14789$
$A = 0.75850$
$B = 0.52643$
$C = 0.87116$
$D = 0.38403$
$\dfrac{C \cdot (A\text{-}B)}{B}\text{-}D = 0.00000$
$\dfrac{n_2\text{-}n_1}{n_1 \cdot n_3}\text{-}D = 0.00000$





1CST4R2

Given. $A := .89431$

$B := .63157 \qquad C := .78412$

$D := .52038 \qquad E := .32894$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D} \quad n_5 := \frac{1}{E}$$

Descriptions.

$$gB := 1 - \frac{B}{A} \qquad ac := C \cdot gB$$

$$cd := \frac{D - ac}{D} \qquad bf := E \cdot cd \qquad F := \frac{bf}{1 - cd}$$

$F = 0.414108$

Definitions.

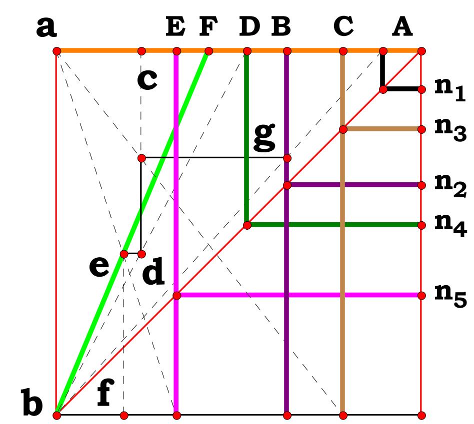
$$F - \frac{E \cdot [A \cdot (D - C) + B \cdot C]}{C \cdot (A - B)} = 0$$

$$F - \frac{n_1 \cdot n_4 + n_2 \cdot n_3 - n_2 \cdot n_4}{n_4 \cdot n_5 \cdot (n_2 - n_1)} = 0$$

$n_1 = 1.11817$
$n_2 = 1.58337$
$n_3 = 1.27531$
$n_4 = 1.92169$
$n_5 = 3.04011$
$A = 0.89431$
$B = 0.63157$
$C = 0.78412$
$D = 0.52038$
$E = 0.32894$
$F = 0.41407$

$$\frac{E \cdot (A \cdot (D-C)+B \cdot C)}{C \cdot (A-B)} - F = 0.00000$$

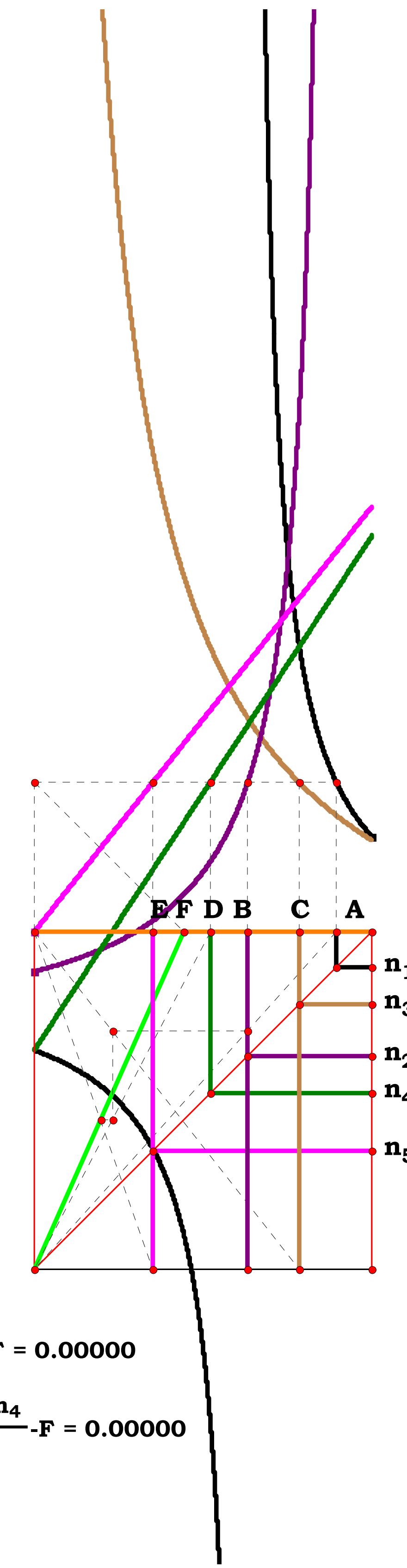
$$\frac{(n_1 \cdot n_4+n_2 \cdot n_3)-n_2 \cdot n_4}{n_4 \cdot n_5 \cdot (n_2-n_1)} - F = 0.00000$$



$n_1 = 1.11817$
$n_2 = 1.58337$
$n_3 = 1.27531$
$n_4 = 1.92169$
$n_5 = 2.85029$
$A = 0.89431$
$B = 0.63157$
$C = 0.78412$
$D = 0.52038$
$E = 0.35084$
$F = 0.44165$

$$\frac{E \cdot (A \cdot (D-C)+B \cdot C)}{C \cdot (A-B)} - F = 0.00000$$

$$\frac{(n_1 \cdot n_4+n_2 \cdot n_3)-n_2 \cdot n_4}{n_4 \cdot n_5 \cdot (n_2-n_1)} - F = 0.00000$$





1CST4R3

Given. $A := .84328$

$B := .66713 \qquad C := .60519$

$D := .36488 \qquad E := .26317$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D} \quad n_5 := \frac{1}{E}$$

Descriptions.

$$cd := \frac{A - B}{A} \qquad ac := C \cdot cd$$

$$ce := \frac{D - ac}{D} \qquad F := \frac{E}{1 - ce}$$

$F = 0.759598$

Definitions.

$$F - \frac{A \cdot D \cdot E}{A \cdot C - B \cdot C} = 0$$

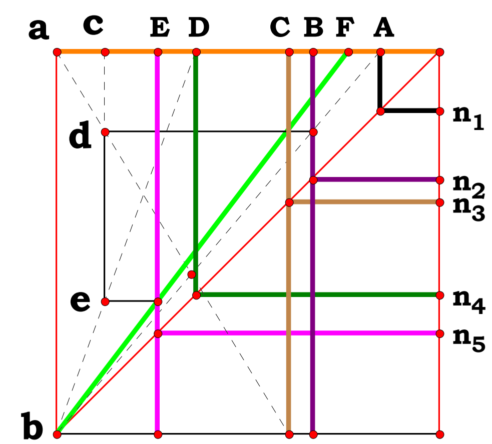
$$F - \frac{n_2 \cdot n_3}{n_4 \cdot n_5 \cdot (n_2 - n_1)} = 0$$

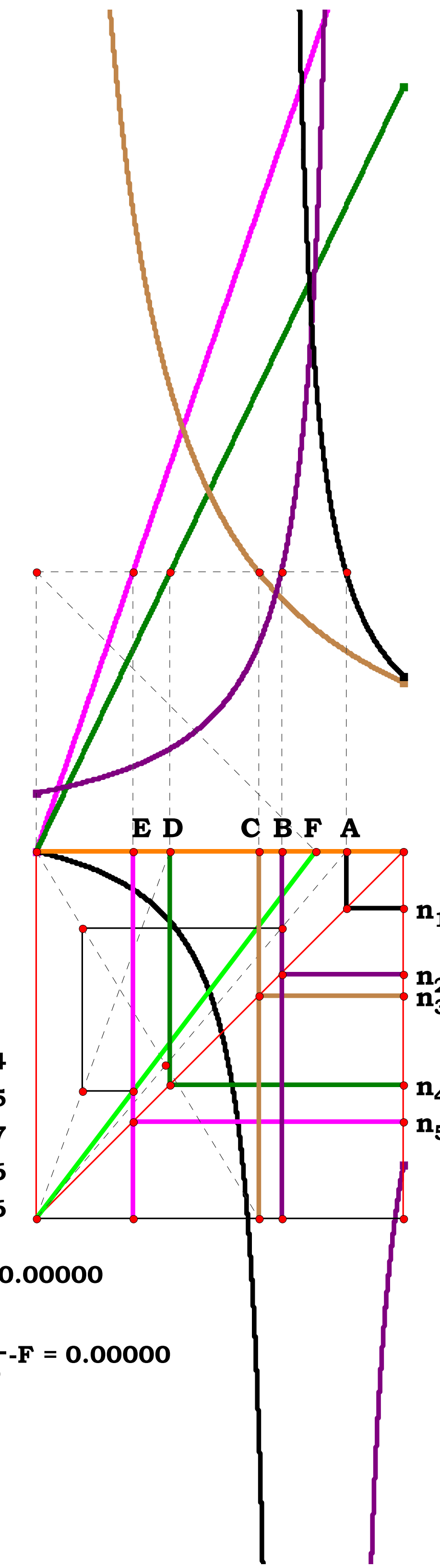
A = 0.84328
B = 0.66713
C = 0.60519
D = 0.36488
E = 0.26317
F = 0.75958

n_1 = 1.18584
n_2 = 1.49895
n_3 = 1.65237
n_4 = 2.74066
n_5 = 3.79986

$\frac{A \cdot D \cdot E}{A \cdot C - B \cdot C} - F = 0.00000$

$\frac{n_2 \cdot n_3}{n_4 \cdot n_5 \cdot (n_2 - n_1)} - F = 0.00000$





A = 0.84328
B = 0.66713
C = 0.60519
D = 0.36488
E = 0.26317
F = 0.75958

n_1 = 1.18584
n_2 = 1.49895
n_3 = 1.65237
n_4 = 2.74066
n_5 = 3.79986

$\frac{A \cdot D \cdot E}{A \cdot C - B \cdot C} - F = 0.00000$

$\frac{n_2 \cdot n_3}{n_4 \cdot n_5 \cdot (n_2 - n_1)} - F = 0.00000$

1CST4R4

Given. $A := .68027$

$B := .18645$ $C := .53414$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$

Descriptions.

$cd := \frac{C}{A + C}$ $D := \frac{B}{cd}$

$D = 0.423909$

Definitions.

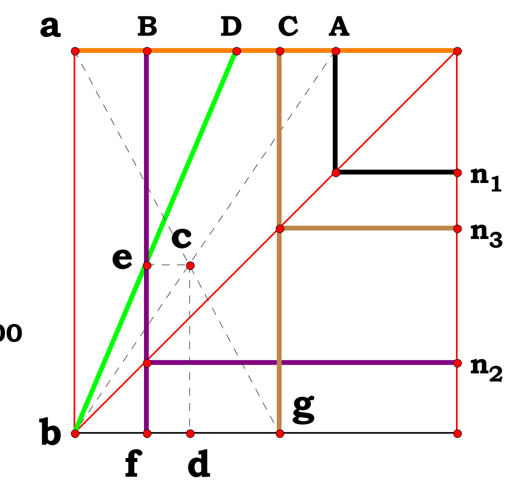
$$D - \frac{B \cdot (A + C)}{C} = 0$$

$$D - \frac{n_1 + n_3}{n_1 \cdot n_2} = 0$$

A = 0.68027
B = 0.18645
C = 0.53414
D = 0.42391
n_1 = 1.47001
n_2 = 5.36334
n_3 = 1.87218

$\frac{B \cdot (A+C)}{C}$-D = 0.00000

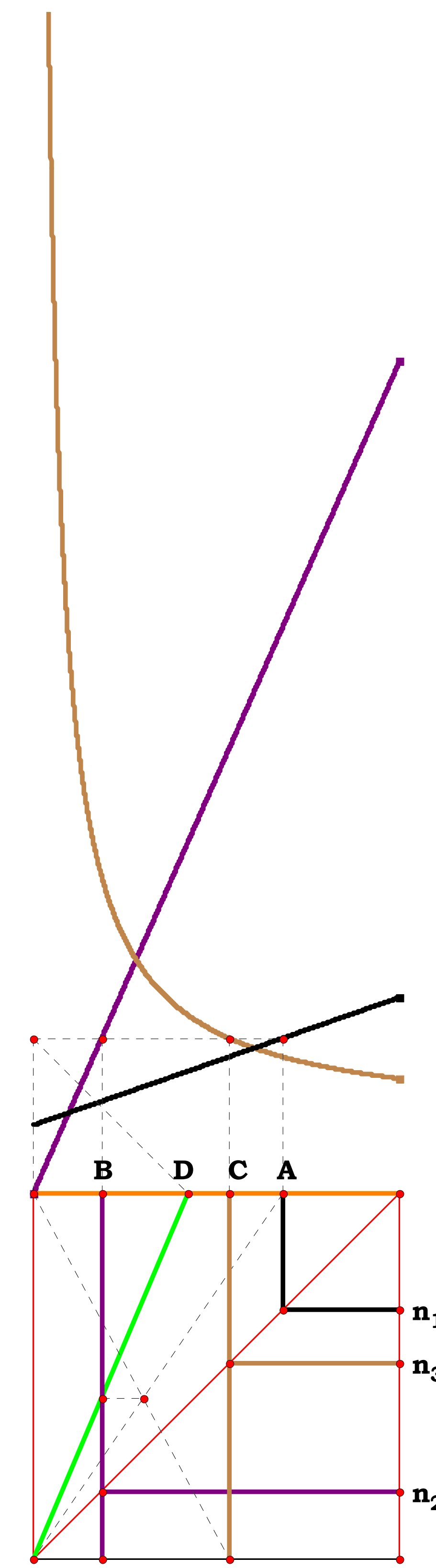
$\frac{n_1+n_3}{n_1 \cdot n_2}$-D = 0.00000



A = 0.68027
B = 0.18645
C = 0.53414
D = 0.42391
n_1 = 1.47001
n_2 = 5.36334
n_3 = 1.87218

$\frac{B \cdot (A+C)}{C}$-D = 0.00000

$\frac{n_1+n_3}{n_1 \cdot n_2}$-D = 0.00000



1CST4R5

Given. $A := .86000$

$B := .62533 \qquad C := .52996$

$D := .43175 \qquad E := .25063$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D} \quad n_5 := \frac{1}{E}$$

Descriptions.

$$cd := 1 - \frac{B}{A} \qquad ac := C \cdot cd$$

$$ce := \frac{D - ac}{D} \qquad F := \frac{E}{ce}$$

$F = 0.376854$

Definitions.

$$F - \frac{A \cdot D \cdot E}{A \cdot D - C \cdot (A - B)} = 0$$

$$F - \frac{n_2 \cdot n_3}{n_5 \cdot \left(n_1 \cdot n_4 + n_2 \cdot n_3 - n_2 \cdot n_4\right)} = 0$$

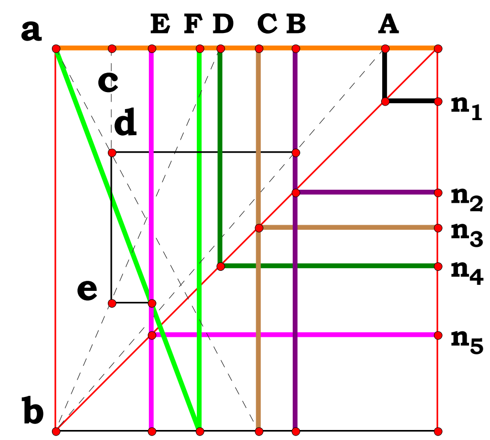
Unit = 1.00000

A = 0.86000
B = 0.62533
C = 0.52996
D = 0.43175
E = 0.25063
F = 0.37685

$n_1 = 1.16279$
$n_2 = 1.59915$
$n_3 = 1.88695$
$n_4 = 2.31614$
$n_5 = 3.98998$

$$\frac{A \cdot D \cdot E}{A \cdot D - C \cdot (A-B)} - F = 0.00000$$

$$\frac{n_2 \cdot n_3}{n_5 \cdot ((n_1 \cdot n_4 + n_2 \cdot n_3) - n_2 \cdot n_4)} - F = 0.00000$$

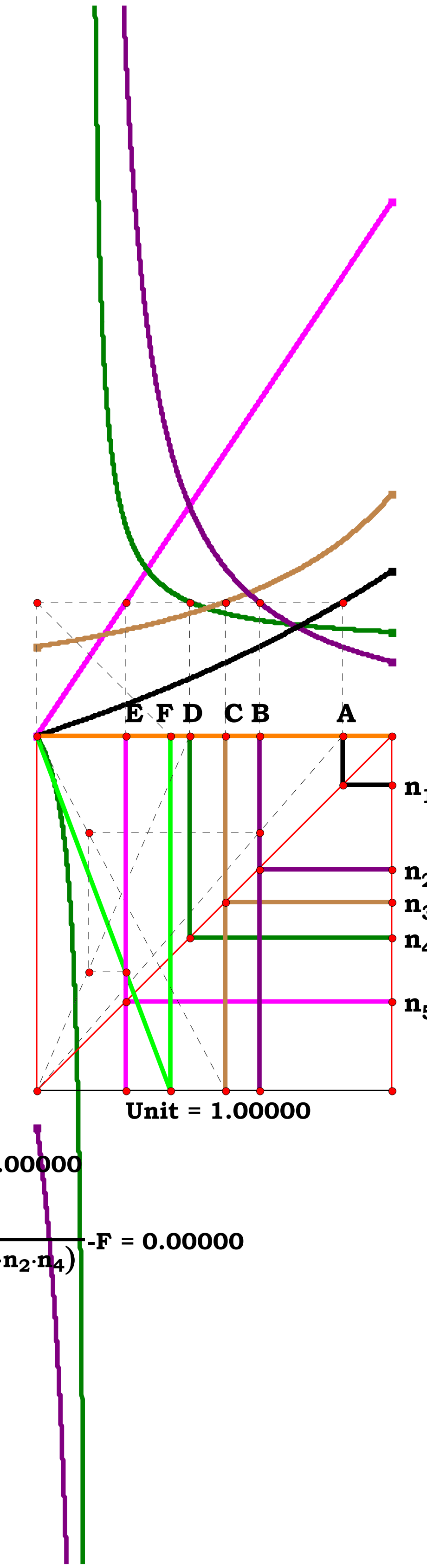


A = 0.86000
B = 0.62533
C = 0.52996
D = 0.43175
E = 0.25063
F = 0.37685

$n_1 = 1.16279$
$n_2 = 1.59915$
$n_3 = 1.88695$
$n_4 = 2.31614$
$n_5 = 3.98998$

$$\frac{A \cdot D \cdot E}{A \cdot D - C \cdot (A-B)} - F = 0.00000$$

$$\frac{n_2 \cdot n_3}{n_5 \cdot ((n_1 \cdot n_4 + n_2 \cdot n_3) - n_2 \cdot n_4)} - F = 0.00000$$



1CST4R6

Given. $A := .59249$ $\quad B := .49994$

$C := .30424$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$$

Unit = 1.00000

A = 0.59249

B = 0.49994

C = 0.30424

D = 0.75666

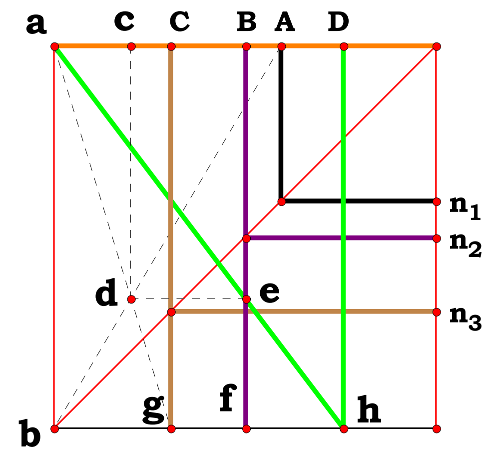
n_1 = 1.68779

n_2 = 2.00025

n_3 = 3.28683

$\frac{B\cdot(A+C)}{A}$-D = 0.00000

$\frac{n_1+n_3}{n_2\cdot n_3}$-D = 0.00000



Descriptions.

$$cd := \frac{A}{A+C} \qquad D := \frac{B}{cd}$$

$D = 0.756656$

Definitions.

$$D - \frac{B\cdot(A+C)}{A} = 0$$

$$D - \frac{n_1 + n_3}{n_2 \cdot n_3} = 0$$

Unit = 1.00000

A = 0.63429

B = 0.44142

C = 0.13287

D = 0.53389

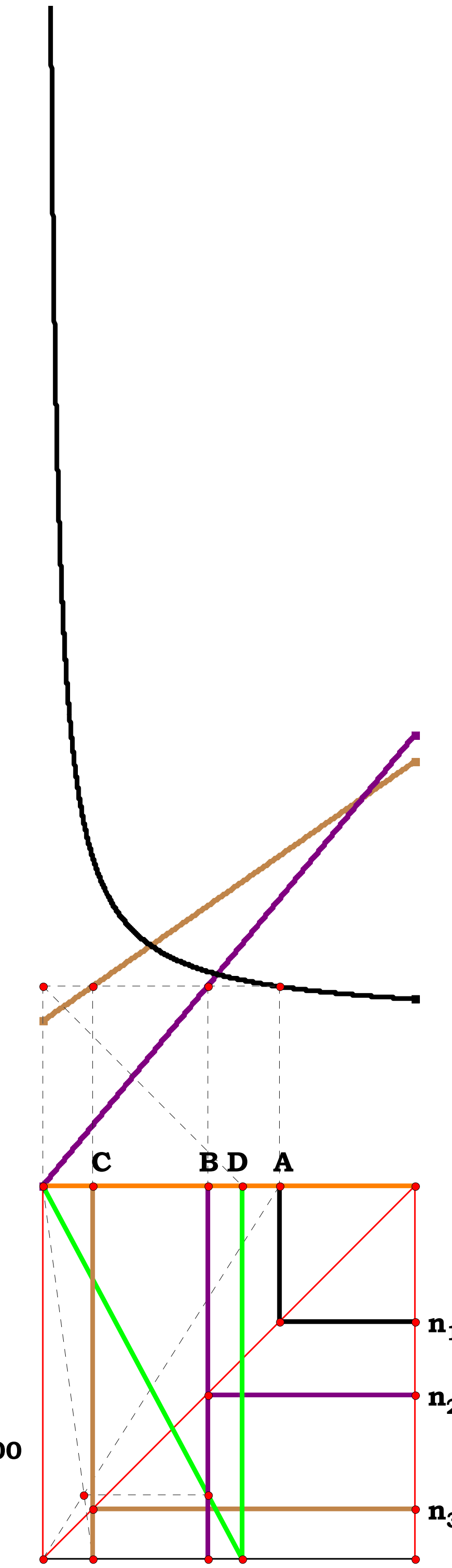
n_1 = 1.57657

n_2 = 2.26541

n_3 = 7.52607

$\frac{B\cdot(A+C)}{A}$-D = 0.00000

$\frac{n_1+n_3}{n_2\cdot n_3}$-D = 0.00000



1CST5R0

Given. $A := .86000$ $B := .64623$

$C := .52578$ $D := .39831$

$E := .58919$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D} \quad n_5 := \frac{1}{E}$$

Descriptions.

$$BJ := \frac{A \cdot B}{A + B} \qquad HJ := \frac{BJ}{A}$$

$$BG := C \cdot HJ \qquad FG := \frac{BG}{D}$$

$$BD := E \cdot FG \qquad F := \frac{BD}{1 - FG}$$

$F = 0.769461$

Definitions.

$$F - \frac{B \cdot C \cdot E}{A \cdot D - B \cdot (C - D)} = 0$$

$$F - \frac{n_1 \cdot n_4}{n_5 \cdot (n_1 \cdot n_3 - n_1 \cdot n_4 + n_2 \cdot n_3)} = 0$$

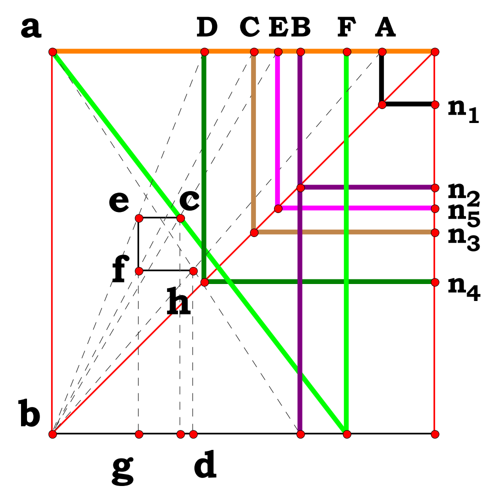
Unit = 1.00000

A = 0.86000
B = 0.64623
C = 0.52578
D = 0.39831
E = 0.58919
F = 0.76944

n_1 = 1.16279
n_2 = 1.54743
n_3 = 1.90195
n_4 = 2.51058
n_5 = 1.69723

$\frac{B \cdot C \cdot E}{A \cdot D - B \cdot (C-D)} - F = 0.00000$

$\frac{n_1 \cdot n_4}{n_5 \cdot ((n_1 \cdot n_3 - n_1 \cdot n_4) + n_2 \cdot n_3)} - F = 0.00000$

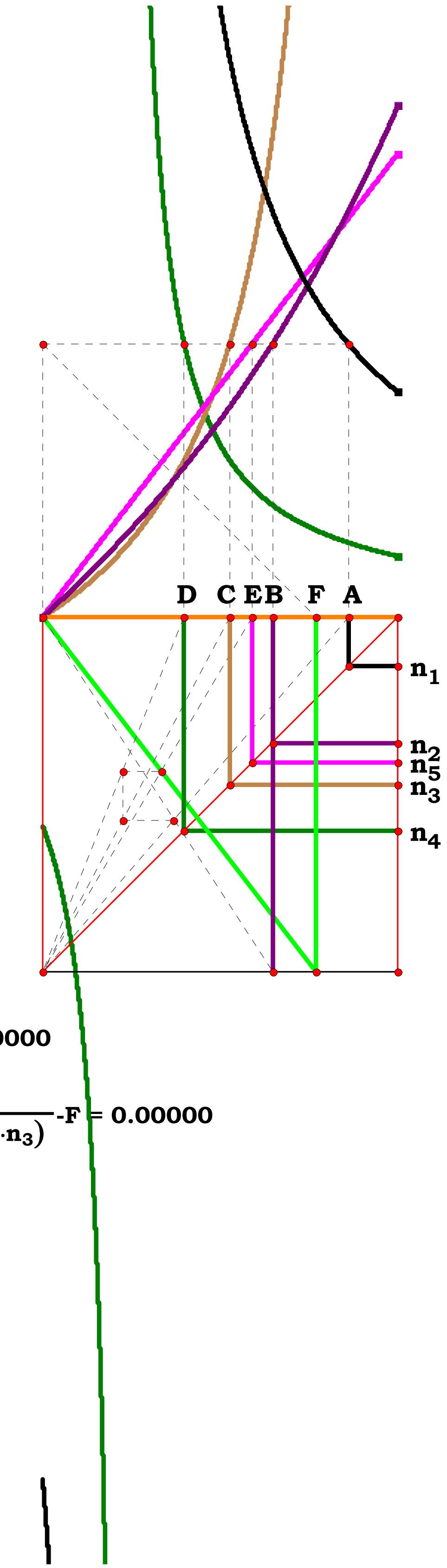


Unit = 1.00000
A = 0.86000
B = 0.64623
C = 0.52578
D = 0.39831
E = 0.58919
F = 0.76944

n_1 = 1.16279
n_2 = 1.54743
n_3 = 1.90195
n_4 = 2.51058
n_5 = 1.69723

$\frac{B \cdot C \cdot E}{A \cdot D - B \cdot (C-D)} - F = 0.00000$

$\frac{n_1 \cdot n_4}{n_5 \cdot ((n_1 \cdot n_3 - n_1 \cdot n_4) + n_2 \cdot n_3)} - F = 0.00000$

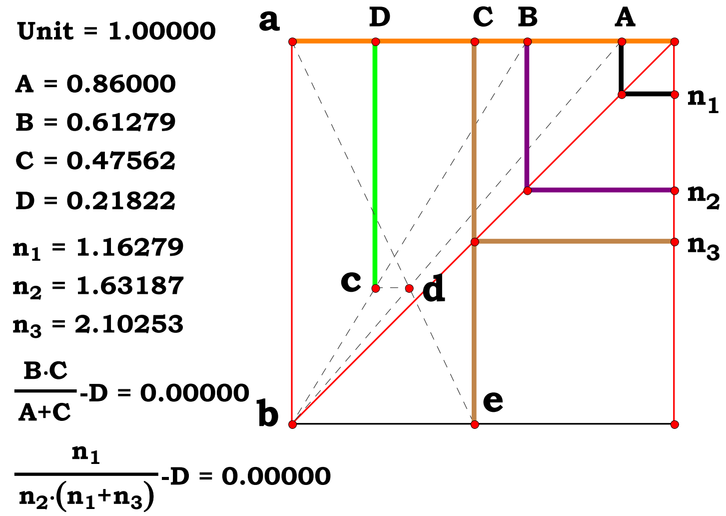


1CST5R1

Given. $A := .8600$ $B := .61279$

$C := .47562$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$$



Descriptions.

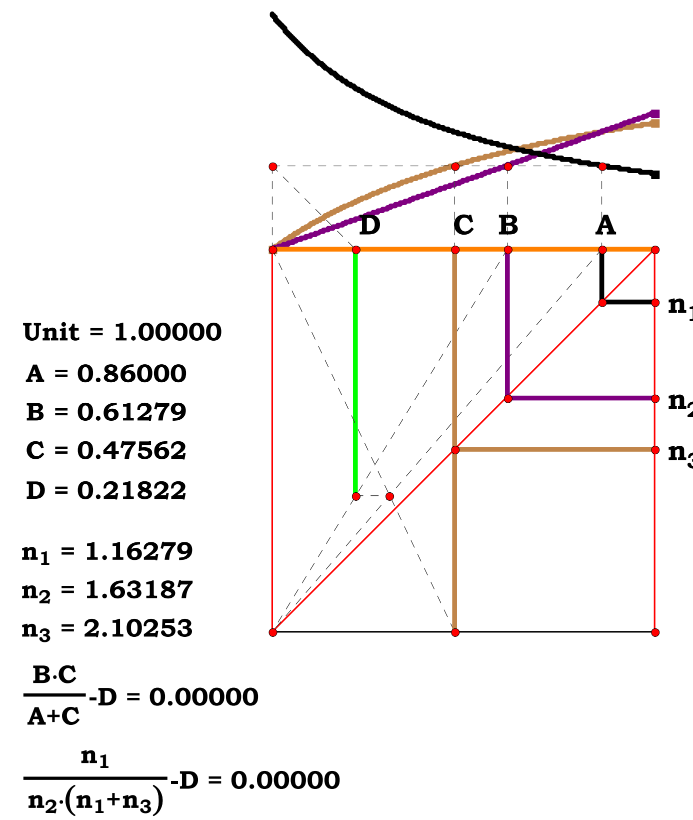
$$cD := \frac{A}{A+C} \qquad DB := B \cdot cD$$

$$D := B - DB \qquad D = 0.218217$$

Definitions.

$$D - \frac{B \cdot C}{A+C} = 0$$

$$D - \frac{n_1}{n_2 \cdot (n_1 + n_3)} = 0$$



1CST5R2

Given. $A := .86000 \qquad B := .58354$

$C := .36694 \qquad D := .47773$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D}$$

Descriptions.

$$bg := \frac{A \cdot C}{A + C} \qquad fg := \frac{bg}{A}$$

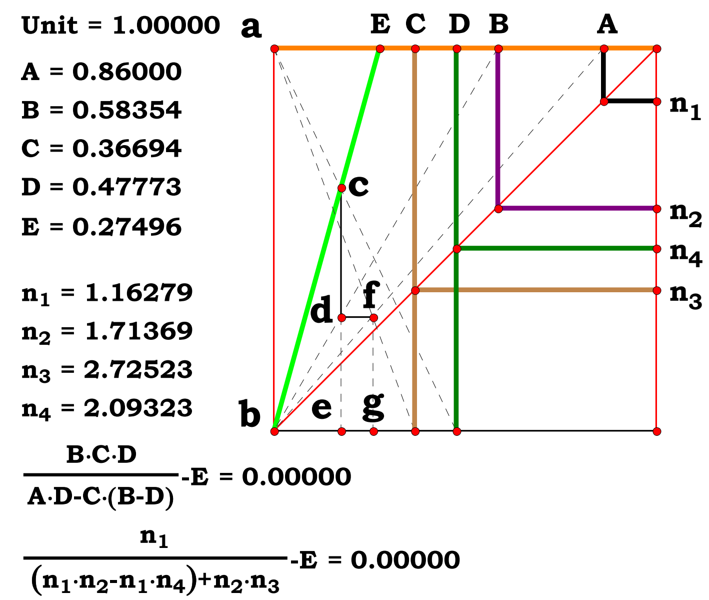
$$be := B \cdot fg \qquad ce := \frac{D - be}{D} \qquad R_1 := \frac{be}{ce}$$

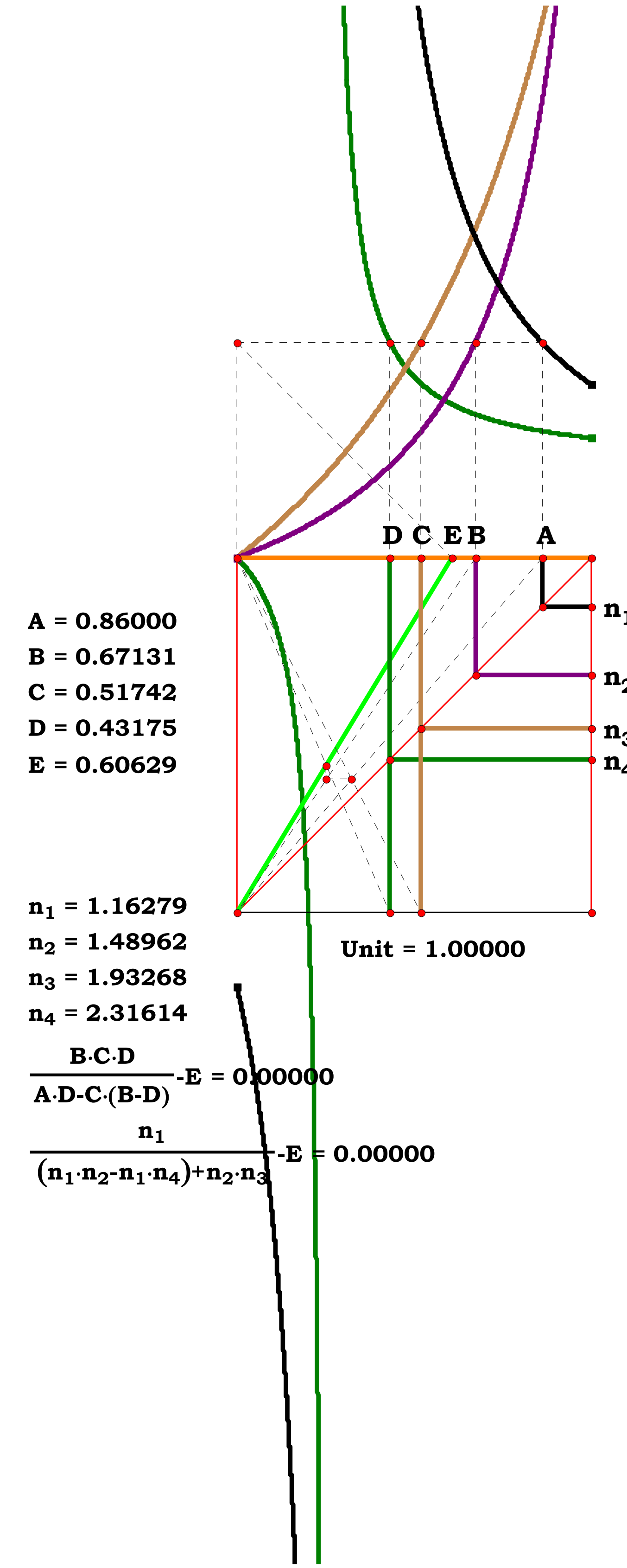
$$R_1 = 0.274966$$

Definitions.

$$R_1 - \frac{B \cdot C \cdot D}{A \cdot D - C \cdot (B - D)} = 0$$

$$R_1 - \frac{n_1}{n_1 \cdot n_2 - n_1 \cdot n_4 + n_2 \cdot n_3} = 0$$





1CST5R3

Given. $A := .86000$ $B := .65041$

$C := .51324$ $D := .40667$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$ $n_4 := \frac{1}{D}$

Descriptions.

$ac := \frac{A \cdot C}{A + C}$ $cd := 1 - \frac{ac}{B}$

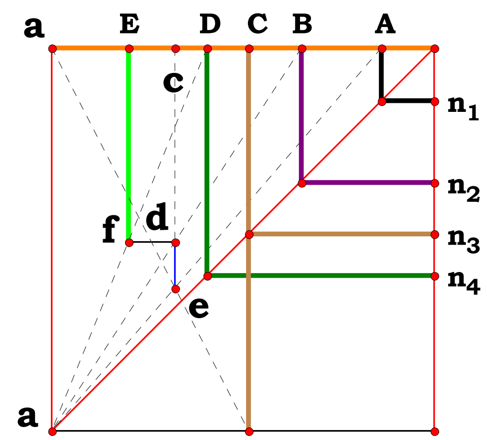
$DE := D \cdot cd$ $E := D - DE$

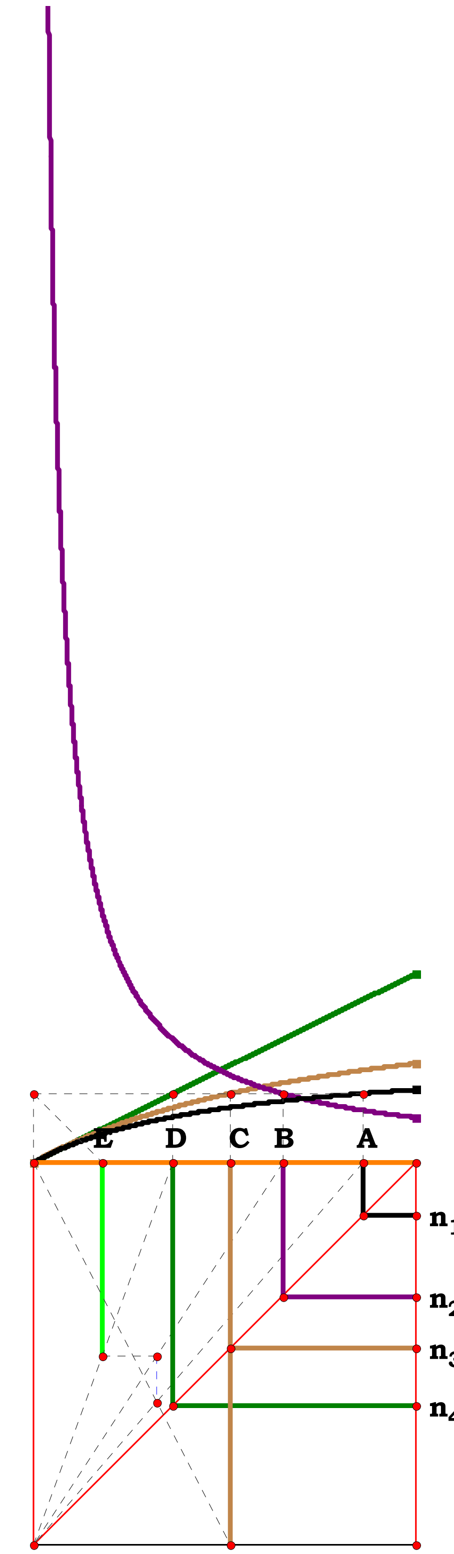
$E = 0.200968$

Definitions.

$$E - \frac{A \cdot C \cdot D}{B \cdot (A + C)} = 0$$

$$E - \frac{n_2}{n_4 \cdot (n_1 + n_3)} = 0$$







1CST5R4

Given. $A := .79730$ $B := .72565$

$C := .64281$ $D := .49863$

$E := .29661$ $F := .17540$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$$

$$n_4 := \frac{1}{D} \quad n_5 := \frac{1}{E} \quad n_6 := \frac{1}{F}$$

Descriptions.

$$bk := \frac{A \cdot C}{A + C} \qquad jk := 1 - \frac{A - bk}{A} \qquad bh := B \cdot jk$$

$$cd := 1 - \frac{D - bh}{D} \qquad bd := E \cdot cd \qquad bg := \frac{bd}{1 - cd}$$

$$bf := \frac{bg \cdot F}{bg + F} \qquad ef := \frac{bf}{F} \qquad G := \frac{bh}{ef}$$

$G = 0.427227$

Definitions.

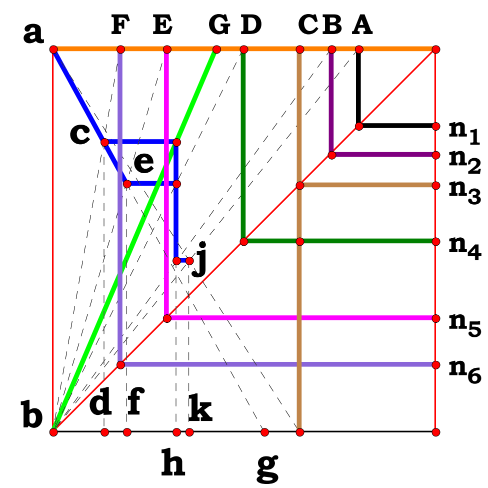
$$G - \frac{B \cdot C \cdot E + F \cdot (A \cdot D - B \cdot C + C \cdot D)}{E \cdot (A + C)} = 0$$

$$G - \frac{n_2 \cdot n_5 \cdot (n_1 + n_3) - n_1 \cdot n_4 \cdot (n_5 - n_6)}{n_2 \cdot n_4 \cdot n_6 \cdot (n_1 + n_3)} = 0$$

Unit = 1.00000

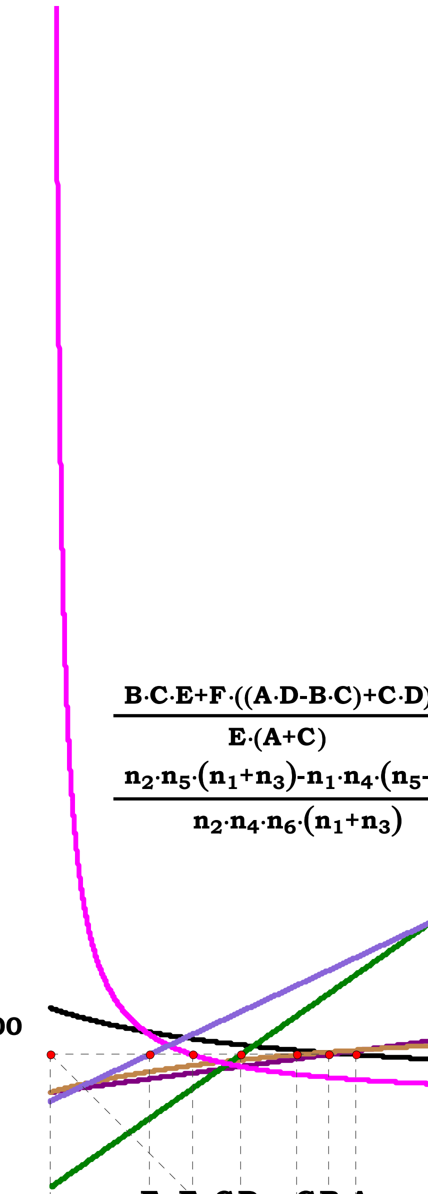
A = 0.79730
B = 0.72565
C = 0.64281
D = 0.49863
E = 0.29661
F = 0.17540
G = 0.42723

n_1 = 1.25423
n_2 = 1.37808
n_3 = 1.55567
n_4 = 2.00550
n_5 = 3.37147
n_6 = 5.70125



$$\frac{B \cdot C \cdot E+F \cdot ((A \cdot D-B \cdot C)+C \cdot D)}{E \cdot (A+C)}-G = 0.00000$$

$$\frac{n_2 \cdot n_5 \cdot (n_1+n_3)-n_1 \cdot n_4 \cdot (n_5-n_6)}{n_2 \cdot n_4 \cdot n_6 \cdot (n_1+n_3)}-G = 0.00000$$



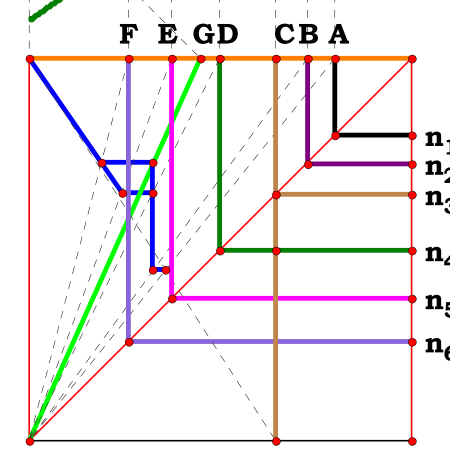
$$\frac{B \cdot C \cdot E+F \cdot ((A \cdot D-B \cdot C)+C \cdot D)}{E \cdot (A+C)}-G = 0.00000$$

$$\frac{n_2 \cdot n_5 \cdot (n_1+n_3)-n_1 \cdot n_4 \cdot (n_5-n_6)}{n_2 \cdot n_4 \cdot n_6 \cdot (n_1+n_3)}-G = 0.00000$$

Unit = 1.00000

A = 0.79730
B = 0.72565
C = 0.64281
D = 0.49863
E = 0.37184
F = 0.25900
G = 0.44560

n_1 = 1.25423
n_2 = 1.37808
n_3 = 1.55567
n_4 = 2.00550
n_5 = 2.68931
n_6 = 3.86105



1CST5R5

Given. $A := .80148$ $B := .43306$

$C := .69297$ $D := .31890$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D}$$

Descriptions.

$$bh := \frac{A \cdot C}{A + C} \qquad fh := \frac{bh}{A}$$

$$be := B \cdot fh \qquad de := \frac{be}{D} \qquad E := \frac{bh}{de}$$

$E = 0.5902$

Definitions.

$$E - \frac{A \cdot D}{B} = 0$$

An invisible Variable.

$$E - \frac{n_2}{n_1 \cdot n_4} = 0$$

Unit = 1.00000

A = 0.80148

B = 0.43306

C = 0.69297

D = 0.31890

E = 0.59020

n_1 = 1.24769

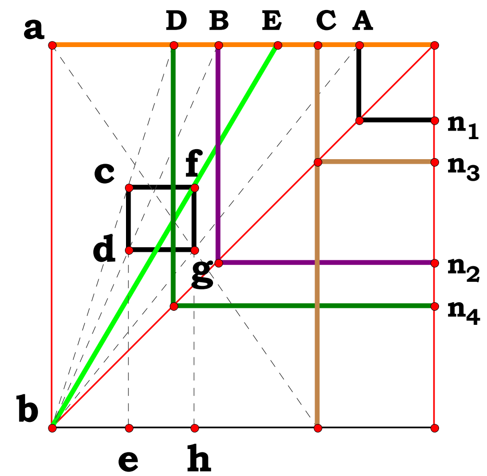
n_2 = 2.30914

n_3 = 1.44307

n_4 = 3.13581

$\frac{A \cdot D}{B}$-E = 0.00000

$\frac{n_2}{n_1 \cdot n_4}$-E = 0.00000



Unit = 1.00000

A = 0.80148

B = 0.59189

C = 0.69297

D = 0.36070

E = 0.48842

n_1 = 1.24769

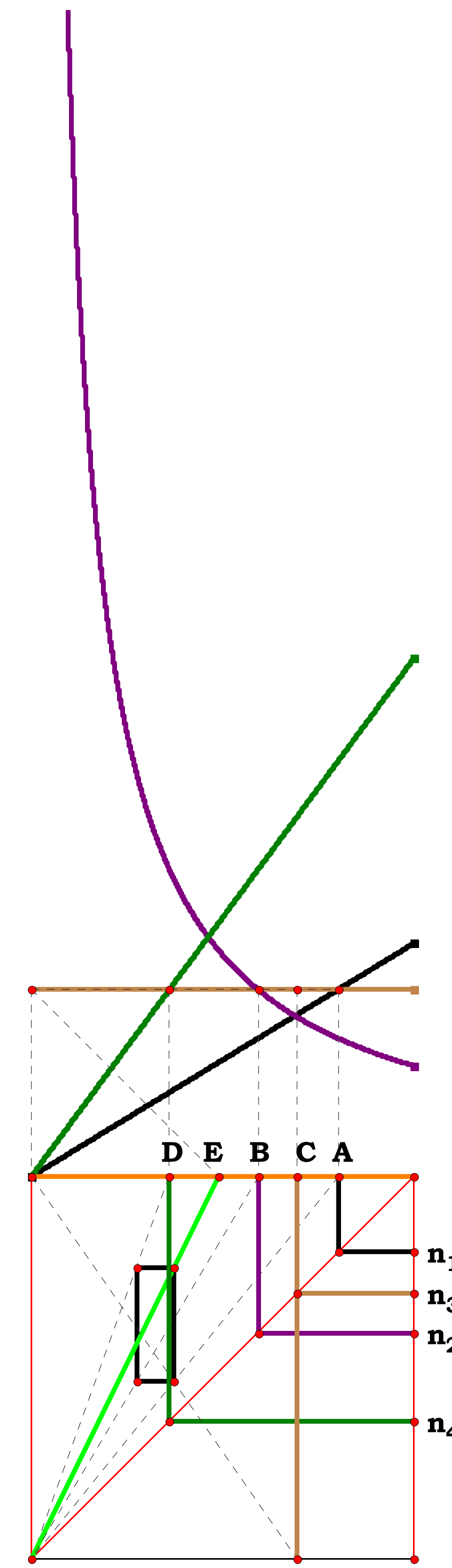
n_2 = 1.68949

n_3 = 1.44307

n_4 = 2.77242

$\frac{A \cdot D}{B}$-E = 0.00000

$\frac{n_2}{n_1 \cdot n_4}$-E = 0.00000



1CST5R6

Given. $A := .70953$ $B := .56682$

$C := .46726$ $D := .18096$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D}$$

Descriptions.

$$ac := \frac{A \cdot C}{A + C} \qquad cd := \frac{B - ac}{B} \qquad E := \frac{D}{1 - cd}$$

$E = 0.36408$

Definitions.

$$E - \frac{B \cdot D \cdot (A + C)}{A \cdot C} = 0$$

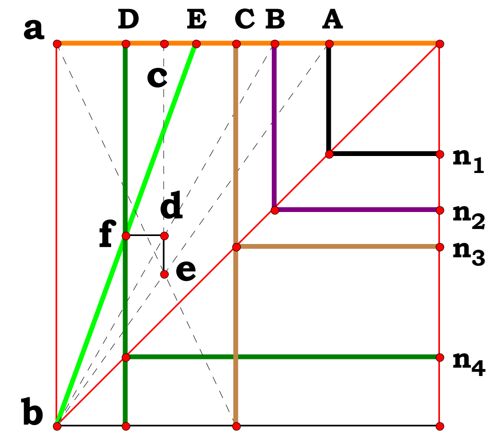
$$E - \frac{n_1 + n_3}{n_2 \cdot n_4} = 0$$

Unit = 1.00000
A = 0.70953
B = 0.56682
C = 0.46726
D = 0.18096
E = 0.36408

$n_1 = 1.40939$
$n_2 = 1.76424$
$n_3 = 2.14014$
$n_4 = 5.52601$

$\frac{B \cdot D \cdot (A+C)}{A \cdot C} - E = 0.00000$

$\frac{n_1+n_3}{n_2 \cdot n_4} - E = 0.00000$



Unit = 1.00000
A = 0.86000
B = 0.56682
C = 0.47144
D = 0.18096
E = 0.33684

$n_1 = 1.16279$
$n_2 = 1.76424$
$n_3 = 2.12117$
$n_4 = 5.52601$

$\frac{B \cdot D \cdot (A+C)}{A \cdot C} - E = 0.00000$

$\frac{n_1+n_3}{n_2 \cdot n_4} - E = 0.00000$



1CST5R7

Given. $A := .83074$

$B := .65469$ $\quad C := .53414$

$D := .38995$ $\quad E := .27989$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D} \quad n_5 := \frac{1}{E}$$

Descriptions.

$$aj := \frac{A \cdot C}{A + C} \qquad jk := \frac{aj}{C} \qquad ae := B \cdot (1 - jk)$$

$$cd := \frac{ae}{D} \qquad bd := E \cdot (1 - cd) \qquad F := \frac{bd}{cd}$$

$F = 0.146101$

Definitions.

$$F - \frac{E \cdot (A \cdot D - B \cdot C + C \cdot D)}{B \cdot C} = 0$$

$$F - \frac{n_1 \cdot n_2 - n_1 \cdot n_4 + n_2 \cdot n_3}{n_1 \cdot n_4 \cdot n_5} = 0$$

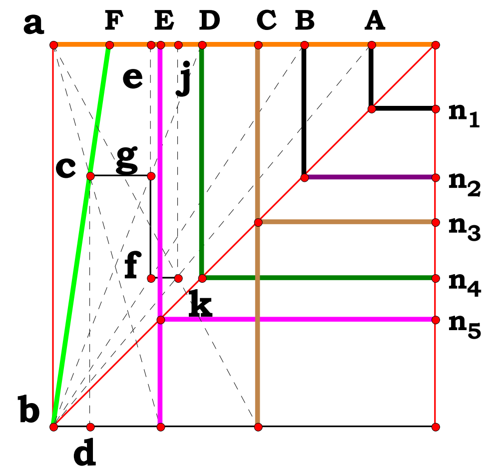
Unit = 1.00000

A = 0.83074
B = 0.65459
C = 0.53414
D = 0.38995
E = 0.27989
F = 0.14617

n_1 = 1.20374
n_2 = 1.52767
n_3 = 1.87218
n_4 = 2.56440
n_5 = 3.57287

$\frac{E \cdot ((A \cdot D - B \cdot C) + C \cdot D)}{B \cdot C} - F = 0.00000$

$\frac{(n_1 \cdot n_2 - n_1 \cdot n_4) + n_2 \cdot n_3}{n_1 \cdot n_4 \cdot n_5} - F = 0.00000$



Unit = 1.00000

A = 0.86000
B = 0.72565
C = 0.53832
D = 0.36488
E = 0.18375
F = 0.05625

n_1 = 1.16279
n_2 = 1.37808
n_3 = 1.85765
n_4 = 2.74066
n_5 = 5.44216

$\frac{E \cdot ((A \cdot D - B \cdot C) + C \cdot D)}{B \cdot C} - F = 0.00000$

$\frac{(n_1 \cdot n_2 - n_1 \cdot n_4) + n_2 \cdot n_3}{n_1 \cdot n_4 \cdot n_5} - F = 0.00000$



1CST5R8

Given. $A := .86000$ $B := .72983$

$C := .57175$ $D := .44429$

$E := .20047$ $F := .31333$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$

$n_4 := \frac{1}{D}$ $n_5 := \frac{1}{E}$ $n_6 := \frac{1}{F}$

Descriptions.

$bp := \frac{A \cdot C}{A + C}$ $kp := \frac{bp}{A}$ $bh := B \cdot kp$

$gh := \frac{bh}{D}$ $bd := E \cdot gh$ $bj := \frac{bd}{1 - gh}$

$OP := \frac{bj}{bj + F}$ $G := \frac{bp}{OP}$

$G = 0.624926$

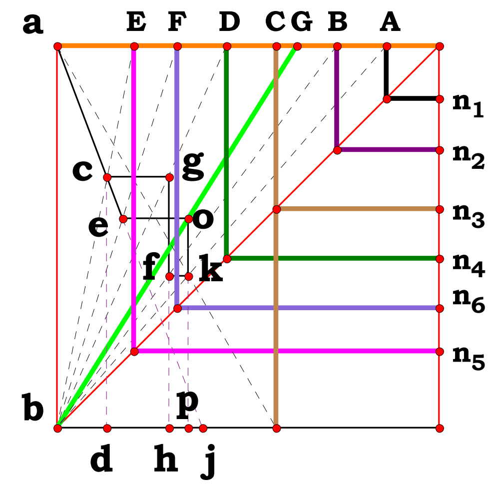
Definitions.

$$G - \frac{A \cdot [B \cdot C \cdot (E - F) + D \cdot F \cdot (A + C)]}{B \cdot E \cdot (A + C)} = 0$$

$$G - \frac{n_1 \cdot n_5 \cdot (n_2 - n_4) + n_2 \cdot n_3 \cdot n_5 + n_1 \cdot n_4 \cdot n_6}{n_1 \cdot n_4 \cdot n_6 \cdot (n_1 + n_3)} = 0$$

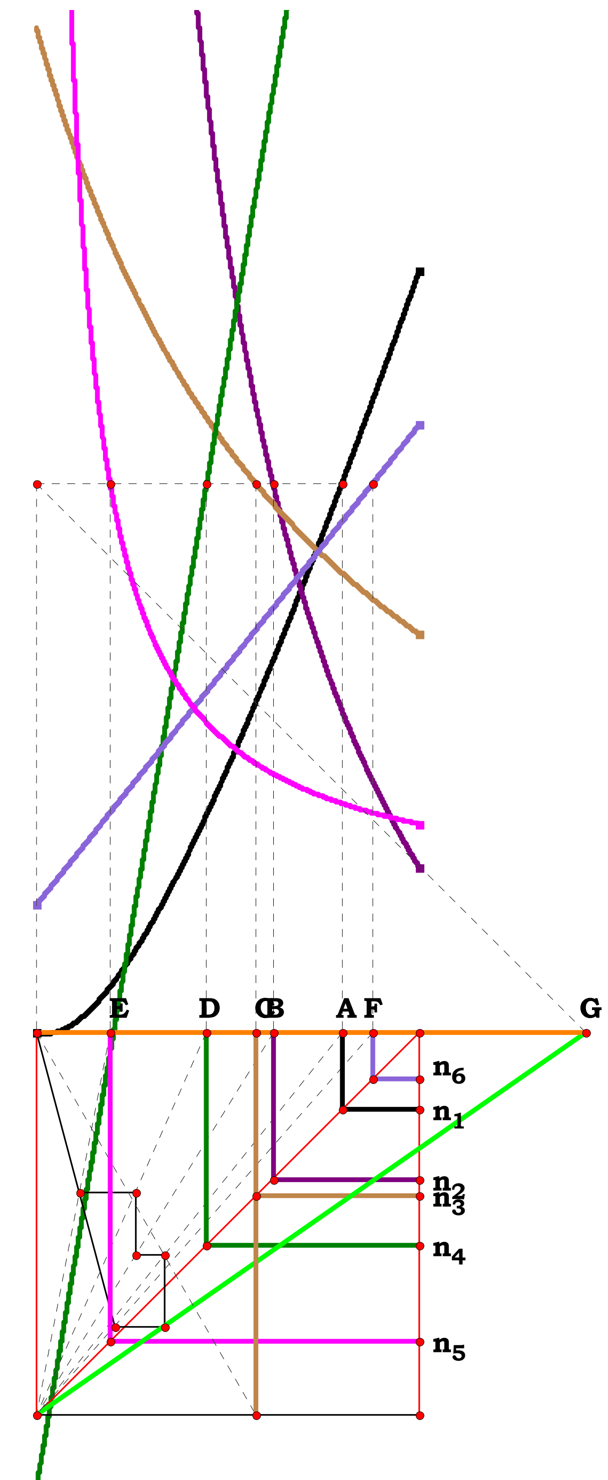
Unit = 1.00000
A = 0.86000
B = 0.72983
C = 0.57175
D = 0.44429
E = 0.20047
F = 0.31333
G = 0.62493

n_1 = 1.16279
n_2 = 1.37018
n_3 = 1.74900
n_4 = 2.25077
n_5 = 4.98828
n_6 = 3.19148



$$\frac{A \cdot (B \cdot C \cdot (E\text{-}F) + D \cdot F \cdot (A+C))}{B \cdot E \cdot (A+C)} - G = 0.00000$$

$$\frac{n_1 \cdot n_5 \cdot (n_2 - n_4) + n_2 \cdot n_3 \cdot n_5 + n_1 \cdot n_4 \cdot n_6}{n_1 \cdot n_4 \cdot n_6 \cdot (n_1 + n_3)} - G = 0.00000$$



Unit = 1.00000
A = 0.79730
B = 0.61697
C = 0.57175
D = 0.44429
E = 0.19211
F = 0.87761
G = 1.43473

n_1 = 1.25423
n_2 = 1.62081
n_3 = 1.74900
n_4 = 2.25077
n_5 = 5.20534
n_6 = 1.13946

$$\frac{A \cdot (B \cdot C \cdot (E\text{-}F) + D \cdot F \cdot (A+C))}{B \cdot E \cdot (A+C)} - G = 0.00000$$

$$\frac{n_1 \cdot n_5 \cdot (n_2 - n_4) + n_2 \cdot n_3 \cdot n_5 + n_1 \cdot n_4 \cdot n_6}{n_1 \cdot n_4 \cdot n_6 \cdot (n_1 + n_3)} - G = 0.00000$$



1CST5R9

Given.

$A := .86000$

$B := .76745$ $C := .67625$

$D := .55715$ $E := .39692$

$F := .27572$ $G := .47090$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$ $n_4 := \frac{1}{D}$

$n_5 := \frac{1}{E}$ $n_6 := \frac{1}{F}$ $n_7 := \frac{1}{G}$

Descriptions.

$bq := \frac{A \cdot C}{A + C}$ $ko := \frac{bq}{A}$ $bo := B \cdot ko$ $mo := \frac{bo}{D}$

$bd := E \cdot mo$ $bg := \frac{bd}{1 - mo}$ $bf := \frac{bg \cdot F}{bg + F}$ $ef := \frac{bf}{F}$

$bj := G \cdot (1 - ef)$ $H := \frac{bj}{ef}$ $H = 0.212364$

Definitions.

$$H - \frac{F \cdot G \cdot (A \cdot D - B \cdot C + C \cdot D)}{B \cdot C \cdot E} = 0$$

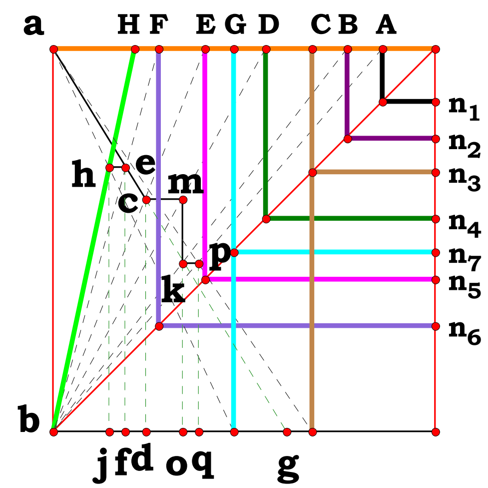
$$H - \frac{n_5 \cdot \left[n_1 \cdot \left(n_2 - n_4\right) + n_2 \cdot n_3\right]}{n_1 \cdot n_4 \cdot n_6 \cdot n_7} = 0$$

Unit = 1.00000

A = 0.86000
B = 0.76745
C = 0.67625
D = 0.55715
E = 0.39692
F = 0.27572
G = 0.47090
H = 0.21236
n_1 = 1.16279
n_2 = 1.30302
n_3 = 1.47874
n_4 = 1.79486
n_5 = 2.51939
n_6 = 3.62692
n_7 = 2.12359

$\frac{F \cdot G \cdot ((A \cdot D - B \cdot C) + C \cdot D)}{B \cdot C \cdot E} - H = 0.00000$

$\frac{n_5 \cdot ((n_1 \cdot n_2 - n_1 \cdot n_4) + n_2 \cdot n_3)}{n_1 \cdot n_4 \cdot n_6 \cdot n_7} - H = 0.00000$





Unit = 1.00000

A = 0.86000
B = 0.76745
C = 0.67625
D = 0.55715
E = 0.39692
F = 0.27572
G = 0.47090
H = 0.21236
n_1 = 1.16279
n_2 = 1.30302
n_3 = 1.47874
n_4 = 1.79486
n_5 = 2.51939
n_6 = 3.62692
n_7 = 2.12359

$\frac{F \cdot G \cdot ((A \cdot D - B \cdot C) + C \cdot D)}{B \cdot C \cdot E} - H = 0.00000$

$\frac{n_5 \cdot ((n_1 \cdot n_2 - n_1 \cdot n_4) + n_2 \cdot n_3)}{n_1 \cdot n_4 \cdot n_6 \cdot n_7} - H = 0.00000$

1CST5R10

Given. $A := .86000$ $B := .76745$

$C := .57175$ $D := .46937$

$E := .38020$ $F := .65608$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C}$$

$$n_4 := \frac{1}{D} \quad n_5 := \frac{1}{E} \quad n_6 := \frac{1}{F}$$

Descriptions.

$$ae := \frac{A \cdot C}{A + C} \qquad ef := \frac{ae}{B} \qquad ah := D \cdot ef$$

$$hj := 1 - \frac{ah}{E} \qquad ac := F \cdot hj \qquad G := \frac{ac}{1 - hj}$$

$G = 0.531509$

Definitions.

$$G - \frac{F \cdot [B \cdot E \cdot (A + C) - A \cdot C \cdot D]}{A \cdot C \cdot D} = 0$$

$$G - \frac{(n_1 \cdot n_4 - n_2 \cdot n_5 + n_3 \cdot n_4)}{n_2 \cdot n_5 \cdot n_6} = 0$$

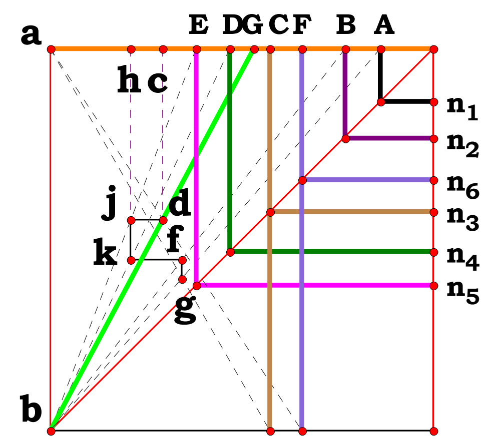
Unit = 1.00000

A = 0.86000
B = 0.76745
C = 0.57175
D = 0.46937
E = 0.38020
F = 0.65608
G = 0.53151

n_1 = 1.16279
n_2 = 1.30302
n_3 = 1.74900
n_4 = 2.13051
n_5 = 2.63018
n_6 = 1.52420

$$\frac{F \cdot (B \cdot E \cdot (A+C) - A \cdot C \cdot D)}{A \cdot C \cdot D} - G = 0.00000$$

$$\frac{(n_1 \cdot n_4 - n_2 \cdot n_5) + n_3 \cdot n_4}{n_2 \cdot n_5 \cdot n_6} - G = 0.00000$$

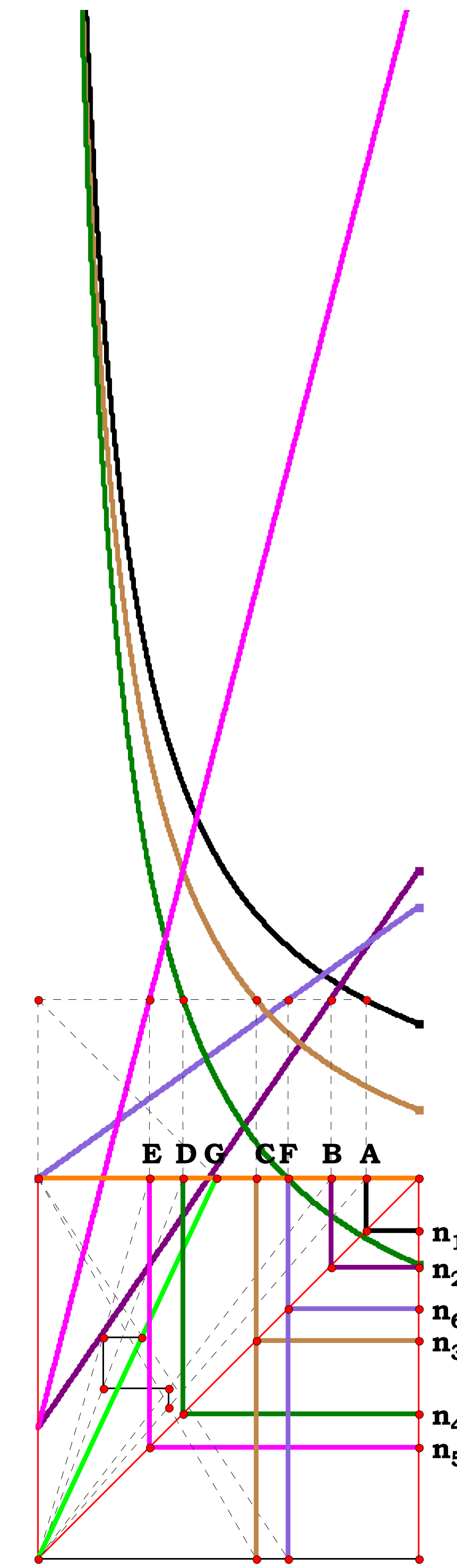


A = 0.86000
B = 0.76745
C = 0.57175
D = 0.38159
E = 0.29243
F = 0.65608
G = 0.46744

n_1 = 1.16279
n_2 = 1.30302
n_3 = 1.74900
n_4 = 2.62058
n_5 = 3.41966
n_6 = 1.52420

$$\frac{F \cdot (B \cdot E \cdot (A+C) - A \cdot C \cdot D)}{A \cdot C \cdot D} - G = 0.00000$$

$$\frac{(n_1 \cdot n_4 - n_2 \cdot n_5) + n_3 \cdot n_4}{n_2 \cdot n_5 \cdot n_6} - G = 0.00000$$



Unit = 1.00000

1CST5R11

Given. $A := .91016$ $B := .69639$

$C := .42546$ $D := .79958$

$E := .53904$ $F := .36349$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$

$n_4 := \frac{1}{D}$ $n_5 := \frac{1}{E}$ $n_6 := \frac{1}{F}$

Descriptions.

$fh := \frac{C}{A+C}$ $bh := B \cdot fh$ $gh := \frac{bh}{D}$

$bn := \frac{bh}{1-gh}$ $jn := \frac{bn}{E}$ $am := F \cdot (1-jn)$

$G := \frac{am}{jn}$ $G = 0.274715$

Definitions.

$$G - \frac{F \cdot [A \cdot D \cdot E - B \cdot C \cdot D - C \cdot E \cdot (B-D)]}{B \cdot C \cdot D} = 0$$

$$G - \frac{n_1 \cdot n_2 - n_1 \cdot n_4 + n_2 \cdot n_3 - n_1 \cdot n_5}{n_1 \cdot n_5 \cdot n_6} = 0$$

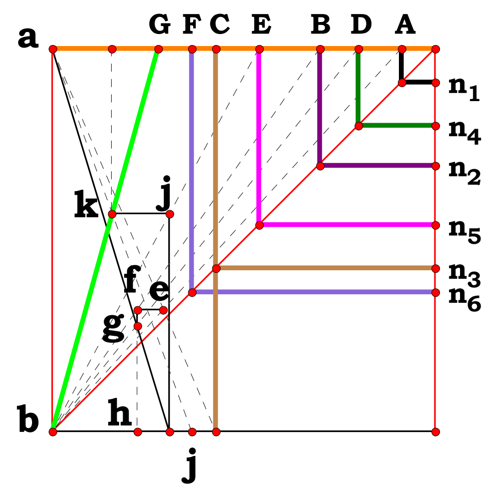
Unit = 1.00000

A = 0.91016
B = 0.69639
C = 0.42546
D = 0.79958
E = 0.53904
F = 0.36349
G = 0.27471

$n_1 = 1.09871$
$n_2 = 1.43598$
$n_3 = 2.35040$
$n_4 = 1.25066$
$n_5 = 1.85516$
$n_6 = 2.75109$

$\frac{F\cdot(A\cdot D\cdot E-B\cdot C\cdot D-C\cdot E\cdot(B-D))}{B\cdot C\cdot D}-G = 0.00000$

$\frac{((n_1\cdot n_2-n_1\cdot n_4)+n_2\cdot n_3)-n_1\cdot n_5}{n_1\cdot n_5\cdot n_6}-G = 0.00000$



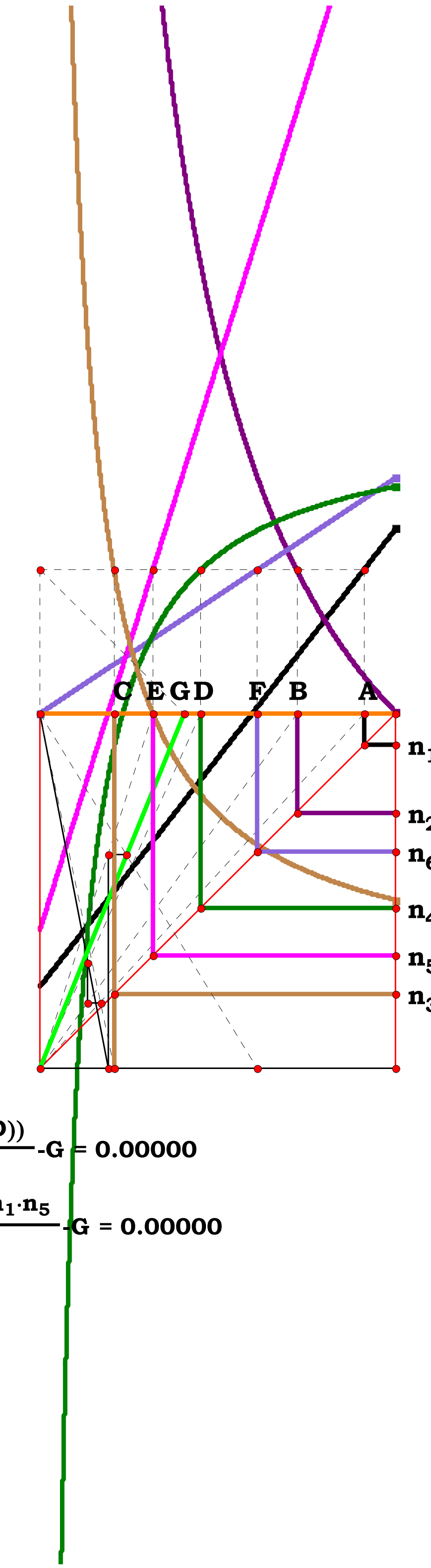
Unit = 1.00000

A = 0.91016
B = 0.72147
C = 0.20811
D = 0.45265
E = 0.31751
F = 0.61010
G = 0.40470

$n_1 = 1.09871$
$n_2 = 1.38606$
$n_3 = 4.80519$
$n_4 = 2.20920$
$n_5 = 3.14955$
$n_6 = 1.63907$

$\frac{F\cdot(A\cdot D\cdot E-B\cdot C\cdot D-C\cdot E\cdot(B-D))}{B\cdot C\cdot D}-G = 0.00000$

$\frac{((n_1\cdot n_2-n_1\cdot n_4)+n_2\cdot n_3)-n_1\cdot n_5}{n_1\cdot n_5\cdot n_6}-G = 0.00000$





1CST5R12

Given. $A := .74715$ $B := .43724$

$C := .64281$ $D := .55715$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$ $n_4 := \frac{1}{D}$

Descriptions.

$ce := \frac{C}{A+C}$ $be := B \cdot ce$

$de := \frac{be}{D}$ $bg := \frac{be}{1-de}$

$E := \frac{bg}{de}$ $E = 0.874557$

Definitions.

$$E - \frac{D^2 \cdot (A+C)}{A \cdot D - B \cdot C + C \cdot D} = 0$$

$$E - \frac{n_2 \cdot (n_1 + n_3)}{n_4 \cdot (n_1 \cdot n_2 - n_1 \cdot n_4 + n_2 \cdot n_3)} = 0$$

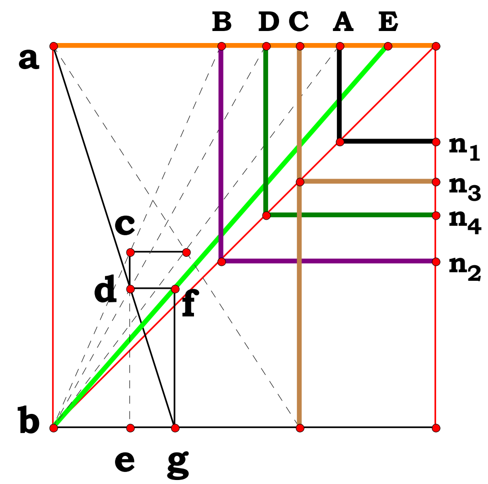
Unit = 1.00000

A = 0.74715
B = 0.43724
C = 0.64281
D = 0.55715
E = 0.87456

n_1 = 1.33843
n_2 = 2.28707
n_3 = 1.55567
n_4 = 1.79486

$$\frac{D^2 \cdot (A+C)}{(A \cdot D - B \cdot C) + C \cdot D} - E = 0.00000$$

$$\frac{n_2 \cdot (n_1+n_3)}{n_4 \cdot ((n_1 \cdot n_2 - n_1 \cdot n_4) + n_2 \cdot n_3)} - E = 0.00000$$



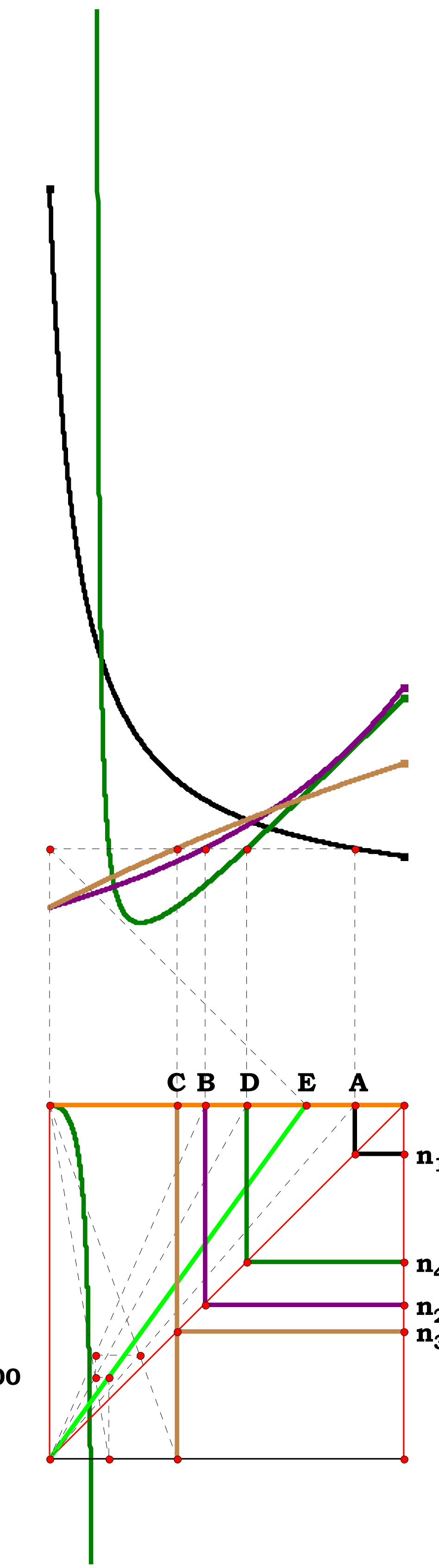
Unit = 1.00000

A = 0.86000
B = 0.43724
C = 0.35858
D = 0.55715
E = 0.72445

n_1 = 1.16279
n_2 = 2.28707
n_3 = 2.78876
n_4 = 1.79486

$$\frac{D^2 \cdot (A+C)}{(A \cdot D - B \cdot C) + C \cdot D} - E = 0.00000$$

$$\frac{n_2 \cdot (n_1+n_3)}{n_4 \cdot ((n_1 \cdot n_2 - n_1 \cdot n_4) + n_2 \cdot n_3)} - E = 0.00000$$



1CST5R13

Given. $A := .86000$ $B := .61279$

$C := .39620$ $D := .25202$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$ $n_4 := \frac{1}{D}$

Descriptions.

$ce := \frac{C}{A+C}$ $be := B \cdot ce$ $bh := \frac{be}{1-ce}$

$df := \frac{bh}{bh+D}$ $E := \frac{bh}{df}$

$E = 0.534331$

Definitions.

$$E - \frac{A \cdot D + B \cdot C}{A} = 0$$

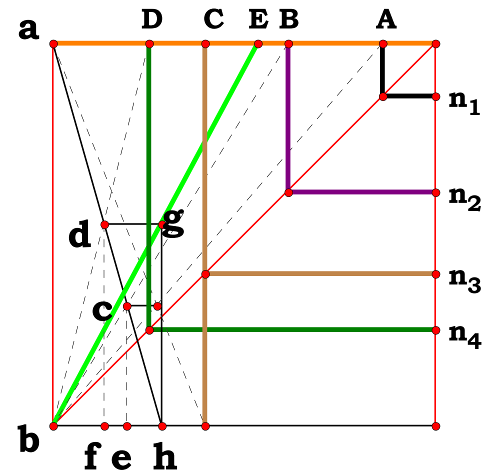
$$E - \frac{n_1 \cdot n_4 + n_2 \cdot n_3}{n_2 \cdot n_3 \cdot n_4} = 0$$

Unit = 1.00000
A = 0.86000
B = 0.61279
C = 0.39620
D = 0.25202
E = 0.53433

n_1 = 1.16279
n_2 = 1.63187
n_3 = 2.52397
n_4 = 3.96794

$\frac{A \cdot D+B \cdot C}{A}$-E = 0.00000

$\frac{n_1 \cdot n_4+n_2 \cdot n_3}{n_2 \cdot n_3 \cdot n_4}$-E = 0.00000

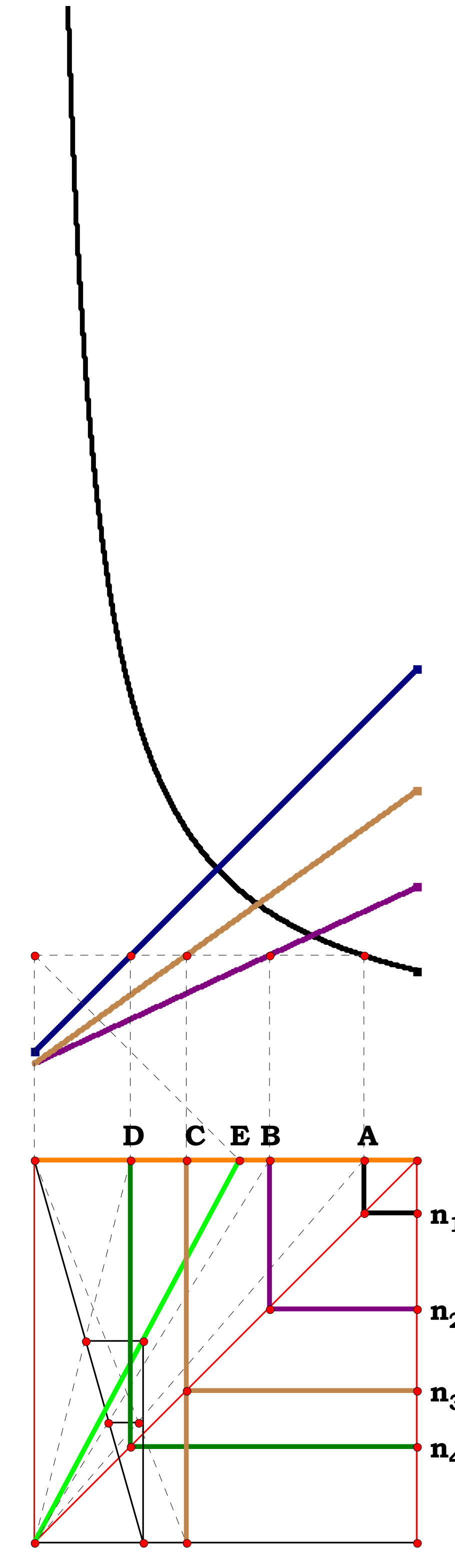


Unit = 1.00000
A = 0.86000
B = 0.61279
C = 0.39620
D = 0.25202
E = 0.53433

n_1 = 1.16279
n_2 = 1.63187
n_3 = 2.52397
n_4 = 3.96794

$\frac{A \cdot D+B \cdot C}{A}$-E = 0.00000

$\frac{n_1 \cdot n_4+n_2 \cdot n_3}{n_2 \cdot n_3 \cdot n_4}$-E = 0.00000



1CST5R14

Given. $A := .86000 \qquad B := .61697$

$C := .42964 \qquad D := .22694$

$E := .74803$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D} \quad n_5 := \frac{1}{E}$$

Descriptions.

$$cd := \frac{C}{A+C} \qquad bd := B \cdot cd$$

$$bg := \frac{bd}{1-cd} \qquad ef := \frac{bg}{bg+D}$$

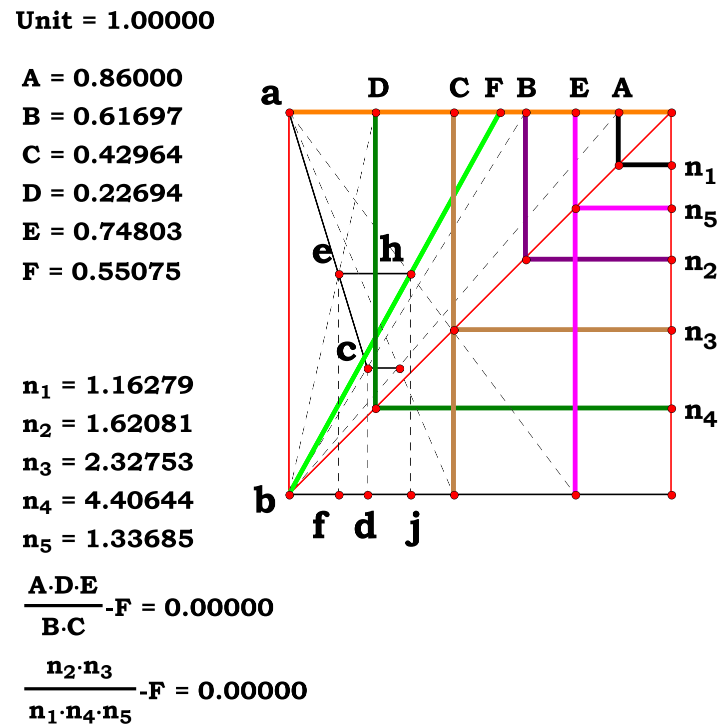
$$bj := E\cdot(1-ef) \qquad F := \frac{bj}{ef}$$

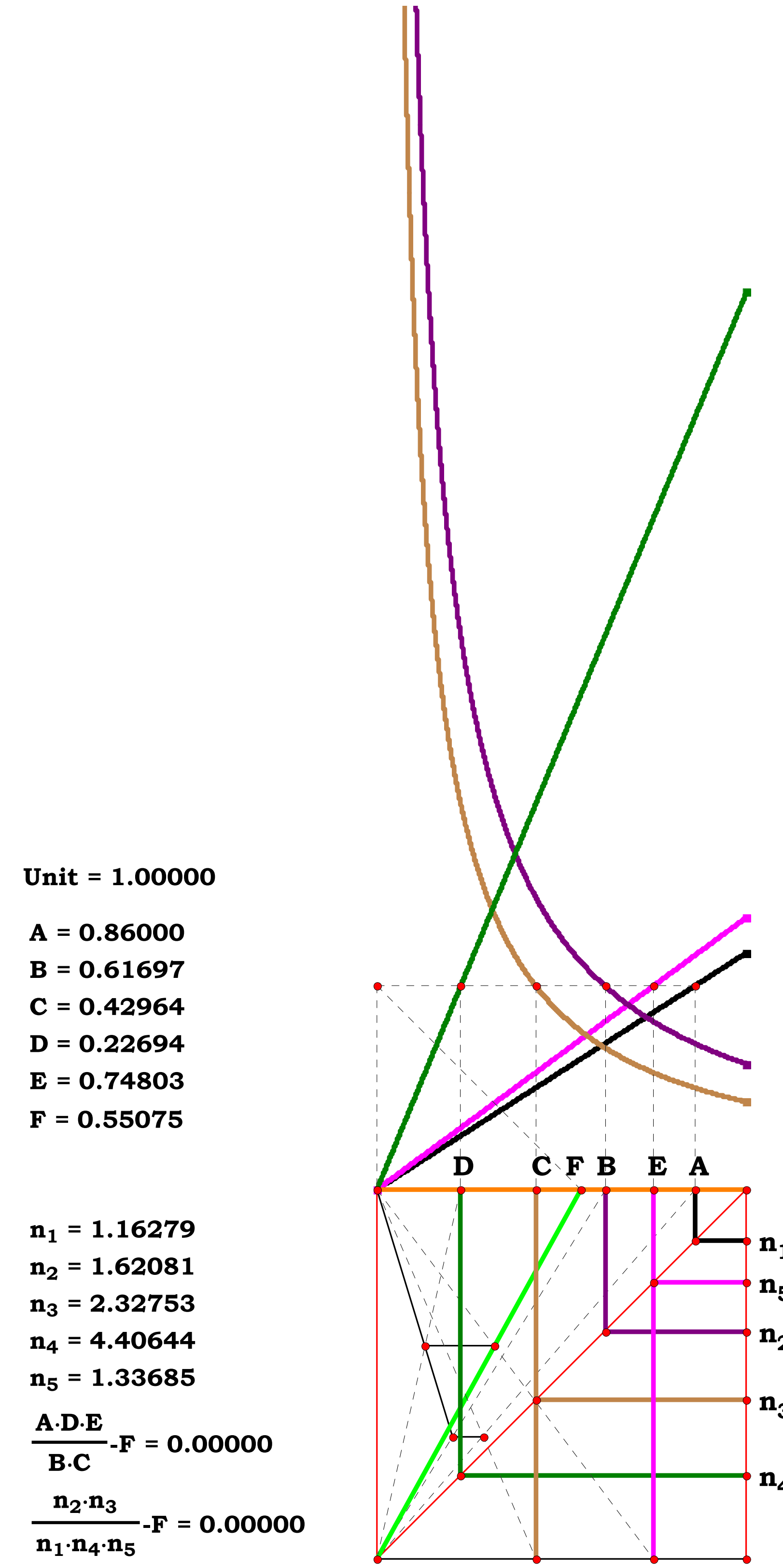
$F = 0.550757$

Definitions.

$$F - \frac{A \cdot D \cdot E}{B \cdot C} = 0$$

$$F - \frac{n_2 \cdot n_3}{n_1 \cdot n_4 \cdot n_5} = 0$$





1CST6R0

Given. $A := .82656$

$B := .45814 \qquad C := .39620$

$D := .56551 \qquad E := .62263$

$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D} \quad n_5 := \frac{1}{E}$

Descriptions.

$cd := 1 - \frac{B}{A} \qquad ac := C \cdot (1 - cd)$

$bh := \frac{ac}{cd} \qquad ef := \frac{bh}{bh + D}$

$bg := E \cdot (1 - ef) \qquad F := \frac{bg}{ef}$

$F = 0.714662$

Definitions.

$$F - \frac{D \cdot E \cdot (A - B)}{B \cdot C} = 0$$

$$F - \frac{n_{.3} \cdot \left(n_{.2} - n_{.1}\right)}{n_{.1} \cdot n_{.4} \cdot n_{.5}} = 0$$

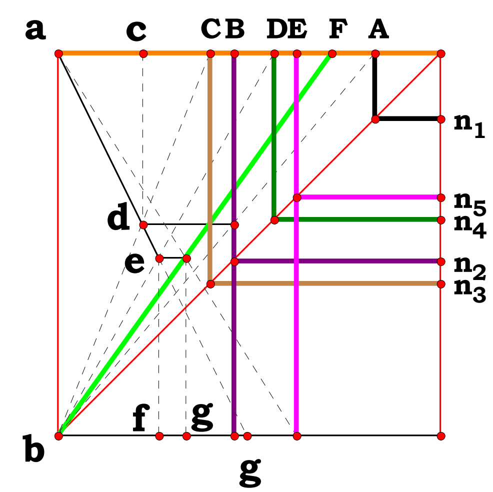
Unit = 1.00000

A = 0.82656
B = 0.45814
C = 0.39620
D = 0.56551
E = 0.62263
F = 0.71466

n_1 = 1.20983
n_2 = 2.18274
n_3 = 2.52397
n_4 = 1.76832
n_5 = 1.60608

$\frac{D \cdot E \cdot (A-B)}{B \cdot C}$-F = 0.00000

$\frac{n_3 \cdot (n_2-n_1)}{n_1 \cdot n_4 \cdot n_5}$-F = 0.00000



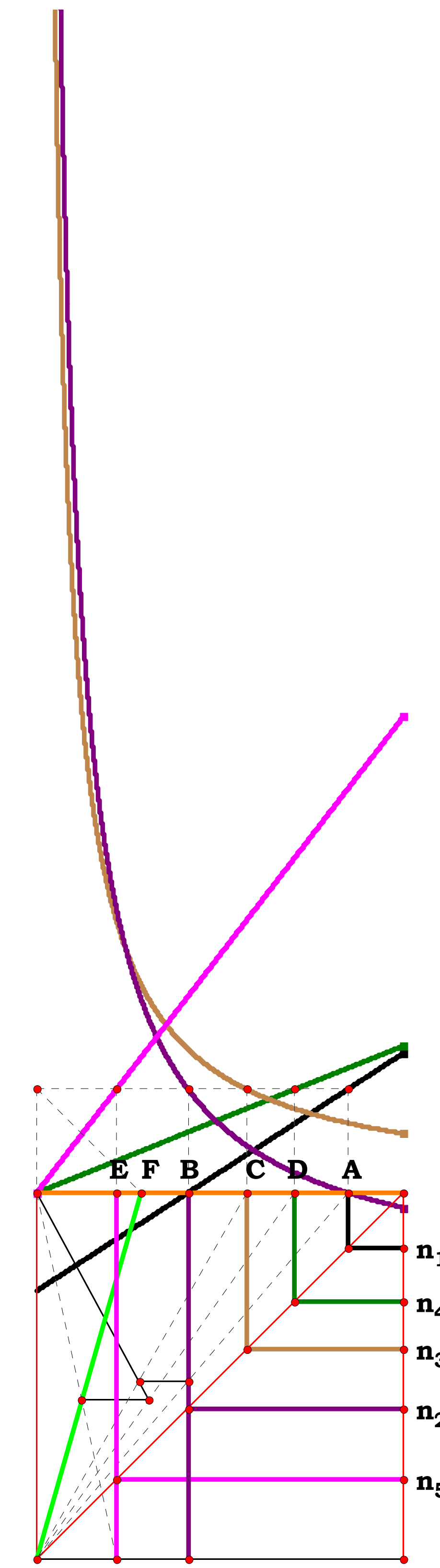
Unit = 1.00000

A = 0.84746
B = 0.41216
C = 0.57175
D = 0.70344
E = 0.21719
F = 0.28221

n_1 = 1.17999
n_2 = 2.42623
n_3 = 1.74900
n_4 = 1.42158
n_5 = 4.60428

$\frac{D \cdot E \cdot (A-B)}{B \cdot C}$-F = 0.00000

$\frac{n_3 \cdot (n_2-n_1)}{n_1 \cdot n_4 \cdot n_5}$-F = 0.00000





1CST6R1

Given. $A := .53397$ $B := .73819$

$C := .85598$ $D := .59477$

$E := .43036$ $F := .38021$

$G := .22011$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$ $n_4 := \frac{1}{D}$

$n_5 := \frac{1}{E}$ $n_6 := \frac{1}{F}$ $n_7 := \frac{1}{G}$

Descriptions.

$gh := \frac{B}{A+B}$ $bd := C \cdot gh$ $bj := \frac{bd}{1-gh}$

$ef := \frac{bj}{bj+D}$ $bm := E \cdot (1-ef)$ $bq := \frac{bm \cdot gh}{ef}$

$oq := \frac{bq}{F}$ $H := \frac{G}{oq}$

$H = 0.666762$

Definitions.

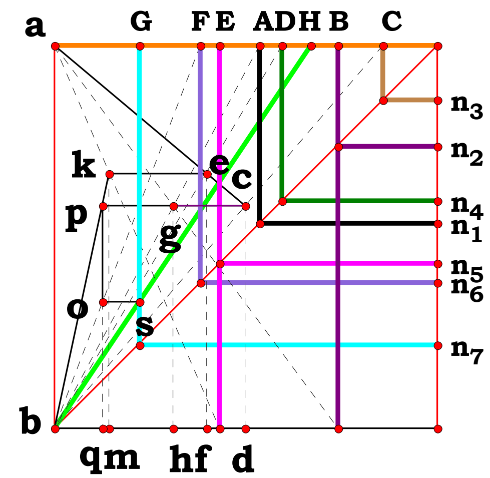
$$H - \frac{C \cdot F \cdot G \cdot (A+B)}{A \cdot D \cdot E} = 0$$

$$H - \frac{n_4 \cdot n_5 \cdot (n_1 + n_2)}{n_2 \cdot n_3 \cdot n_6 \cdot n_7} = 0$$

Unit = 1.00000
A = 0.53397
B = 0.73819
C = 0.85598
D = 0.59477
E = 0.43036
F = 0.38021
G = 0.22011
H = 0.66677
n_1 = 1.87275
n_2 = 1.35467
n_3 = 1.16825
n_4 = 1.68133
n_5 = 2.32363
n_6 = 2.63011
n_7 = 4.54317

$\frac{C \cdot F \cdot G \cdot (A+B)}{A \cdot D \cdot E} - H = 0.00000$

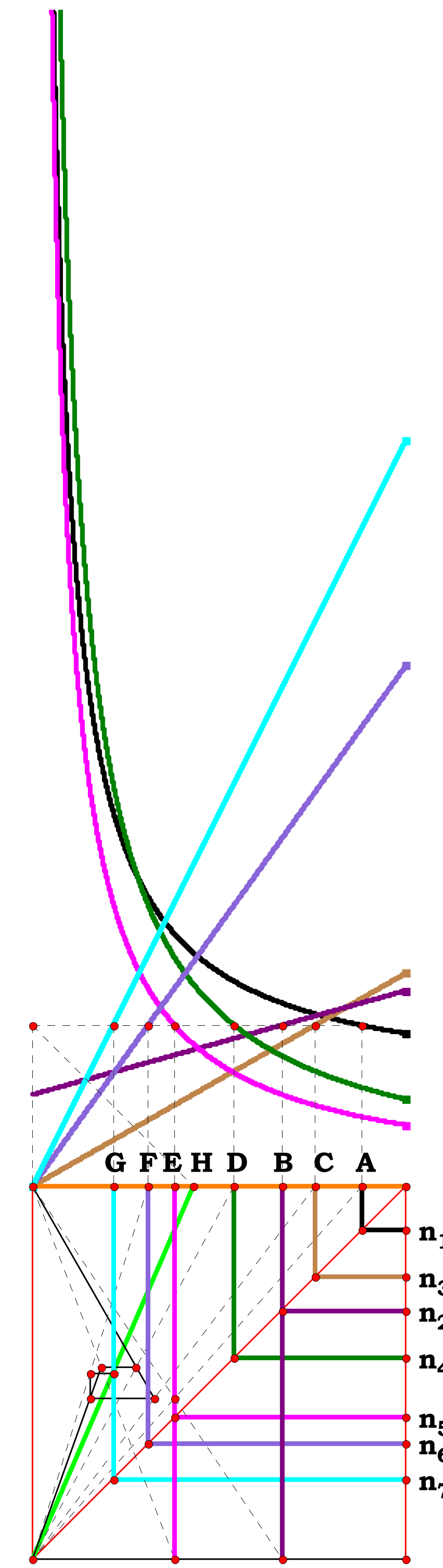
$\frac{n_4 \cdot n_5 \cdot (n_1+n_2)}{n_2 \cdot n_3 \cdot n_6 \cdot n_7} - H = 0.00000$



Unit = 1.00000
A = 0.88090
B = 0.66713
C = 0.75567
D = 0.54043
E = 0.38020
F = 0.30915
G = 0.21593
H = 0.43144
n_1 = 1.13520
n_2 = 1.49895
n_3 = 1.32334
n_4 = 1.85039
n_5 = 2.63018
n_6 = 3.23462
n_7 = 4.63111

$\frac{C \cdot F \cdot G \cdot (A+B)}{A \cdot D \cdot E} - H = 0.00000$

$\frac{n_4 \cdot n_5 \cdot (n_1+n_2)}{n_2 \cdot n_3 \cdot n_6 \cdot n_7} - H = 0.00000$



1CST6R2

Given. $A := .86000$ $B := .72565$

$C := .30006$ $D := .45265$

$E := .23391$ $F := .53905$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$

$n_4 := \frac{1}{D}$ $n_5 := \frac{1}{E}$ $n_6 := \frac{1}{F}$

Descriptions.

$hj := \frac{B}{A+B}$ $be := C \cdot hj$

$de := \frac{be}{D}$ $bg := \frac{be}{1-de}$

$fg := \frac{bg}{E}$ $G := \frac{F}{fg}$

$G = 0.639669$

Definitions.

$$G - \frac{E \cdot F \cdot (A \cdot D - B \cdot C + B \cdot D)}{B \cdot C \cdot D} = 0$$

$$G - \frac{n_1 \cdot n_3 - n_1 \cdot n_4 + n_2 \cdot n_3}{n_1 \cdot n_5 \cdot n_6} = 0$$

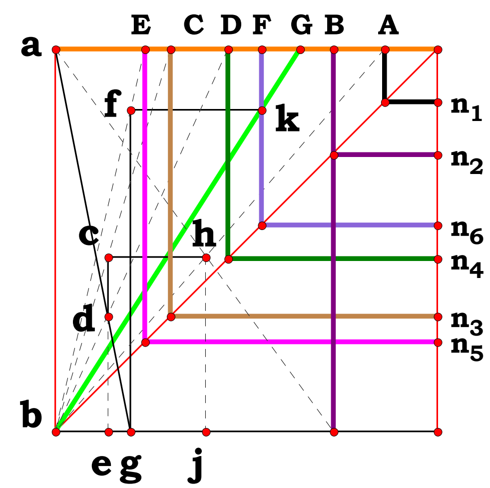
Unit = 1.00000

A = 0.86000
B = 0.72565
C = 0.30006
D = 0.45265
E = 0.23391
F = 0.53905
G = 0.63965

n_1 = 1.16279
n_2 = 1.37808
n_3 = 3.33261
n_4 = 2.20920
n_5 = 4.27517
n_6 = 1.85513

$$\frac{E \cdot F \cdot ((A \cdot D - B \cdot C) + B \cdot D)}{B \cdot C \cdot D} - G = 0.00000$$

$$\frac{(n_1 \cdot n_3 - n_1 \cdot n_4) + n_2 \cdot n_3}{n_1 \cdot n_5 \cdot n_6} - G = 0.00000$$



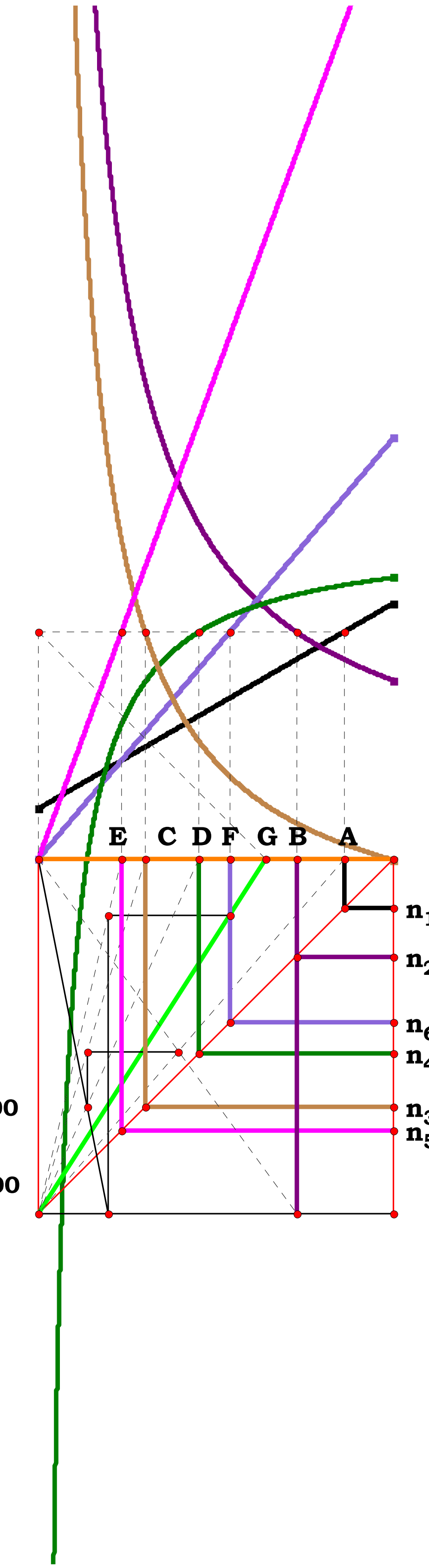
Unit = 1.00000

A = 0.86000
B = 0.72565
C = 0.30006
D = 0.45265
E = 0.23391
F = 0.53905
G = 0.63965

n_1 = 1.16279
n_2 = 1.37808
n_3 = 3.33261
n_4 = 2.20920
n_5 = 4.27517
n_6 = 1.85513

$$\frac{E \cdot F \cdot ((A \cdot D - B \cdot C) + B \cdot D)}{B \cdot C \cdot D} - G = 0.00000$$

$$\frac{(n_1 \cdot n_3 - n_1 \cdot n_4) + n_2 \cdot n_3}{n_1 \cdot n_5 \cdot n_6} - G = 0.00000$$



1CST6R3

Given. $A := .82238$ $B := .63369$

$C := .37948$ $D := .53207$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D}$$

Descriptions.

$$bf := \frac{A \cdot D}{A + D} \qquad cd := \frac{C - bf}{C} \qquad E := \frac{B}{1 - cd}$$

$E = 0.744368$

Definitions.

$$E - \frac{A \cdot B \cdot C + B \cdot C \cdot D}{A \cdot D} = 0$$

$$E - \frac{n_1 + n_4}{n_2 \cdot n_3} = 0$$

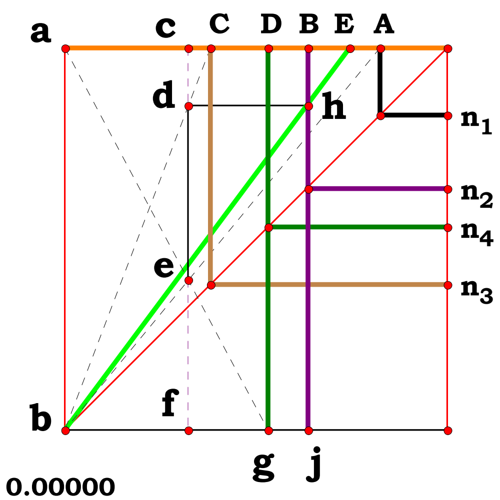
Unit = 1.00000

A = 0.82238
B = 0.63369
C = 0.37948
D = 0.53207
E = 0.74437

n_1 = 1.21598
n_2 = 1.57805
n_3 = 2.63517
n_4 = 1.87946

$\frac{A \cdot B \cdot C + B \cdot C \cdot D}{A \cdot D}$-E = 0.00000

$\frac{n_1 + n_4}{n_2 \cdot n_3}$-E = 0.00000

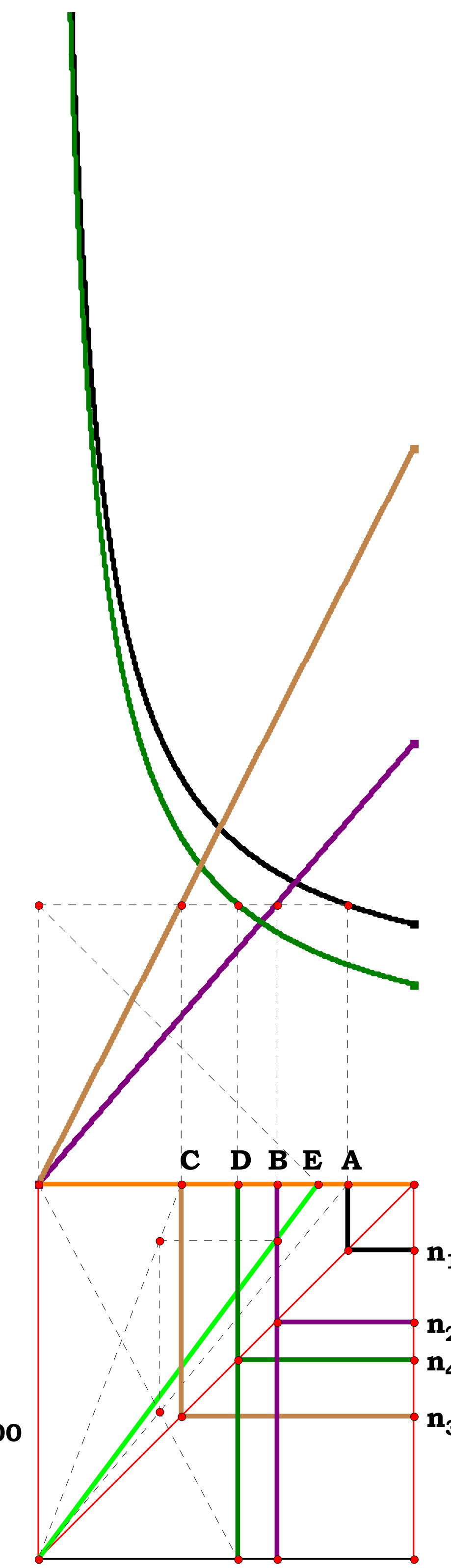


A = 0.82238
B = 0.63369
C = 0.37948
D = 0.53207
E = 0.74437

n_1 = 1.21598
n_2 = 1.57805
n_3 = 2.63517
n_4 = 1.87946

$\frac{A \cdot B \cdot C + B \cdot C \cdot D}{A \cdot D}$-E = 0.00000

$\frac{n_1 + n_4}{n_2 \cdot n_3}$-E = 0.00000



Unit = 1.00000



1CST6R4

Given. $A := .75551$ $B := .60443$

$C := .25409$ $D := .48191$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D}$$

Descriptions.

$$gh := \frac{B}{A} \qquad be := C \cdot gh$$

$$de := \frac{D - be}{D} \qquad E := \frac{be}{de}$$

$E = 0.351585$

Definitions.

$$E - \frac{B \cdot C \cdot D}{A \cdot D - B \cdot C} = 0$$

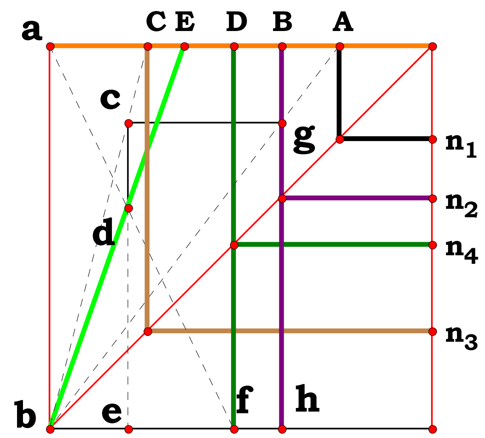
$$E - \frac{n_1}{n_2 \cdot n_3 - n_1 \cdot n_4} = 0$$

Unit = 1.00000
A = 0.75551
B = 0.60443
C = 0.25409
D = 0.48191
E = 0.35159

$n_1 = 1.32362$
$n_2 = 1.65444$
$n_3 = 3.93566$
$n_4 = 2.07507$

$$\frac{B \cdot C \cdot D}{A \cdot D - B \cdot C} = 0.35159$$

$$\frac{n_1}{n_2 \cdot n_3 - n_1 \cdot n_4} = 0.35159$$

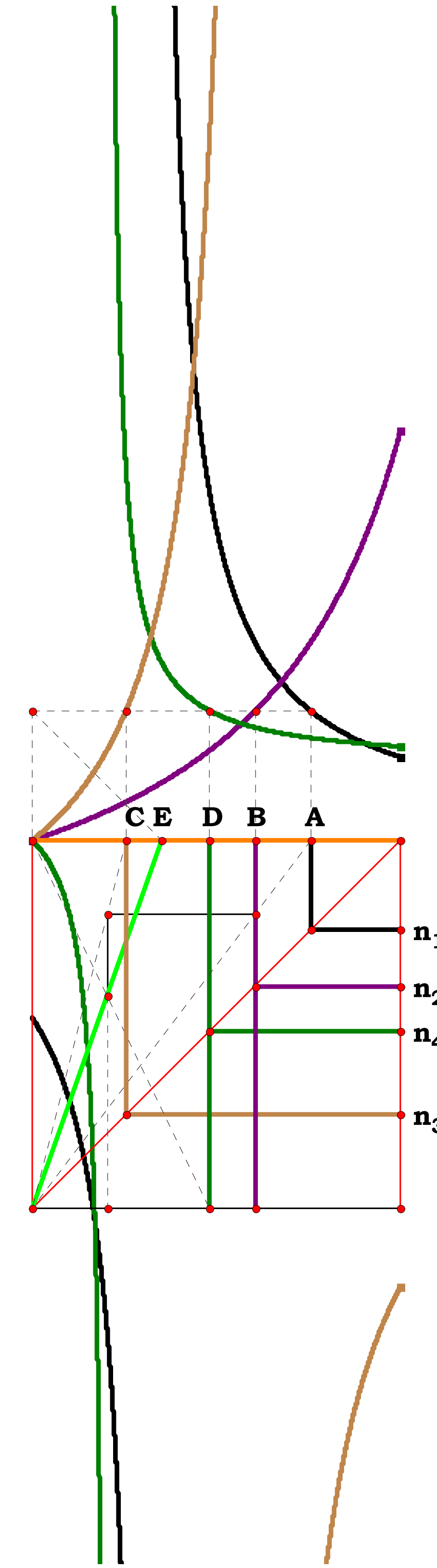


Unit = 1.00000
A = 0.75551
B = 0.60443
C = 0.25409
D = 0.48191
E = 0.35159

$n_1 = 1.32362$
$n_2 = 1.65444$
$n_3 = 3.93566$
$n_4 = 2.07507$

$$\frac{B \cdot C \cdot D}{A \cdot D - B \cdot C} = 0.35159$$

$$\frac{n_1}{n_2 \cdot n_3 - n_1 \cdot n_4} = 0.35159$$



1CST6R5

Given. $A := .80148$

$B := .70893 \qquad C := .62191$

$D := .41921 \qquad E := .19211$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D} \quad n_5 := \frac{1}{E}$$

Descriptions.

$$hj := \frac{B}{A+B} \qquad bd := C \cdot hj \qquad bg := \frac{bd}{1-hj}$$

$$ef := \frac{bg}{bg+D} \qquad F := \frac{E}{ef}$$

$F = 0.338511$

Definitions.

$$F - \frac{E \cdot (A \cdot D + B \cdot C)}{B \cdot C} = 0$$

$$F - \frac{n_1 \cdot n_4 + n_2 \cdot n_3}{n_1 \cdot n_5 \cdot n_4} = 0$$

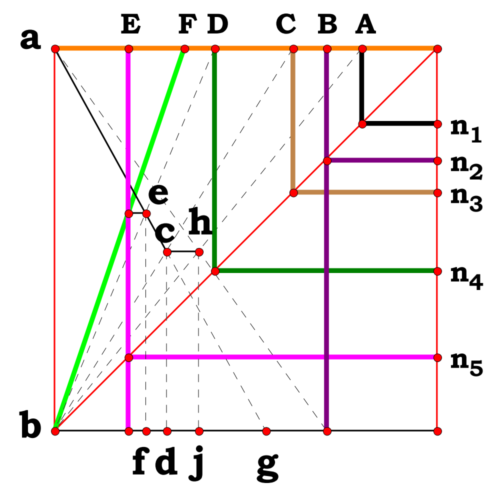
Unit = 1.00000

A = 0.80148
B = 0.70893
C = 0.62191
D = 0.41921
E = 0.19211
F = 0.33851

n_1 = 1.24769
n_2 = 1.41058
n_3 = 1.60794
n_4 = 2.38542
n_5 = 5.20534

$\frac{E\cdot(A\cdot D+B\cdot C)}{B\cdot C}$-F = 0.00000

$\frac{n_1\cdot n_4+n_2\cdot n_3}{n_1\cdot n_4\cdot n_5}$ = 0.33851



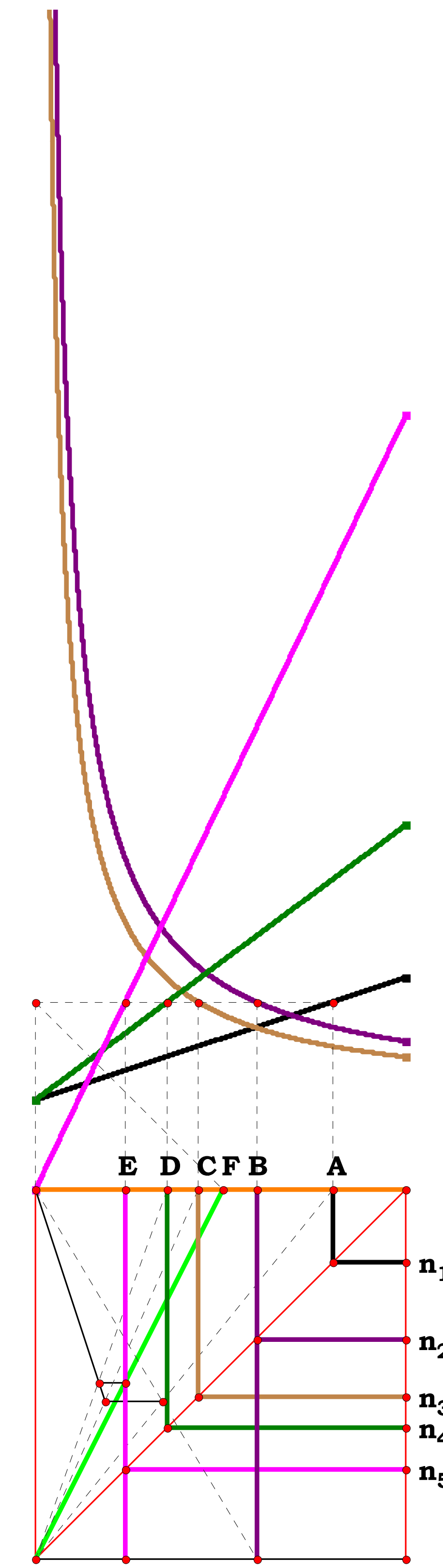
Unit = 1.00000

A = 0.80148
B = 0.59607
C = 0.43800
D = 0.35652
E = 0.24227
F = 0.50742

n_1 = 1.24769
n_2 = 1.67764
n_3 = 2.28311
n_4 = 2.80493
n_5 = 4.12765

$\frac{E\cdot(A\cdot D+B\cdot C)}{B\cdot C}$-F = 0.00000

$\frac{n_1\cdot n_4+n_2\cdot n_3}{n_1\cdot n_4\cdot n_5}$ = 0.50742



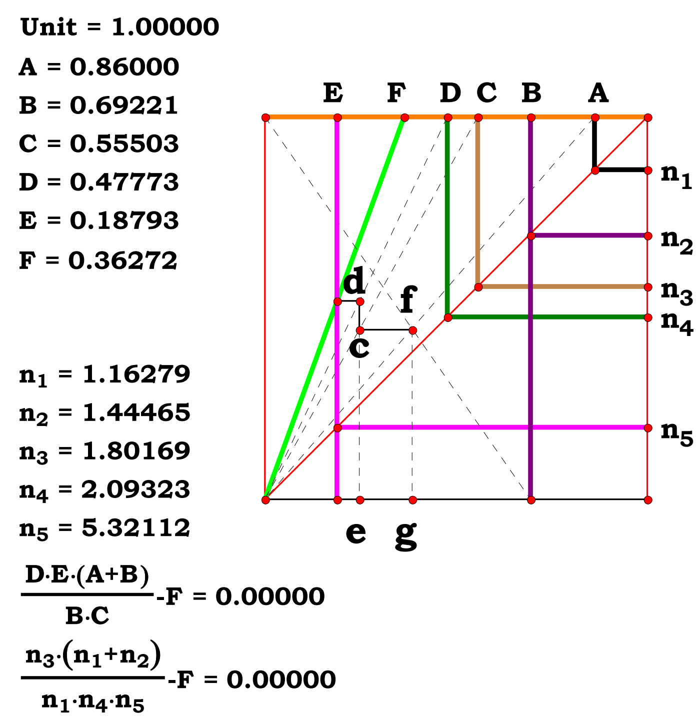
1CST6R6

Given. $A := .86000$ $B := .69221$

$C := .55503$ $D := .47773$

$E := .18793$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D} \quad n_5 := \frac{1}{E}$$



Descriptions.

$$fg := \frac{B}{A + B} \qquad be := C \cdot fg$$

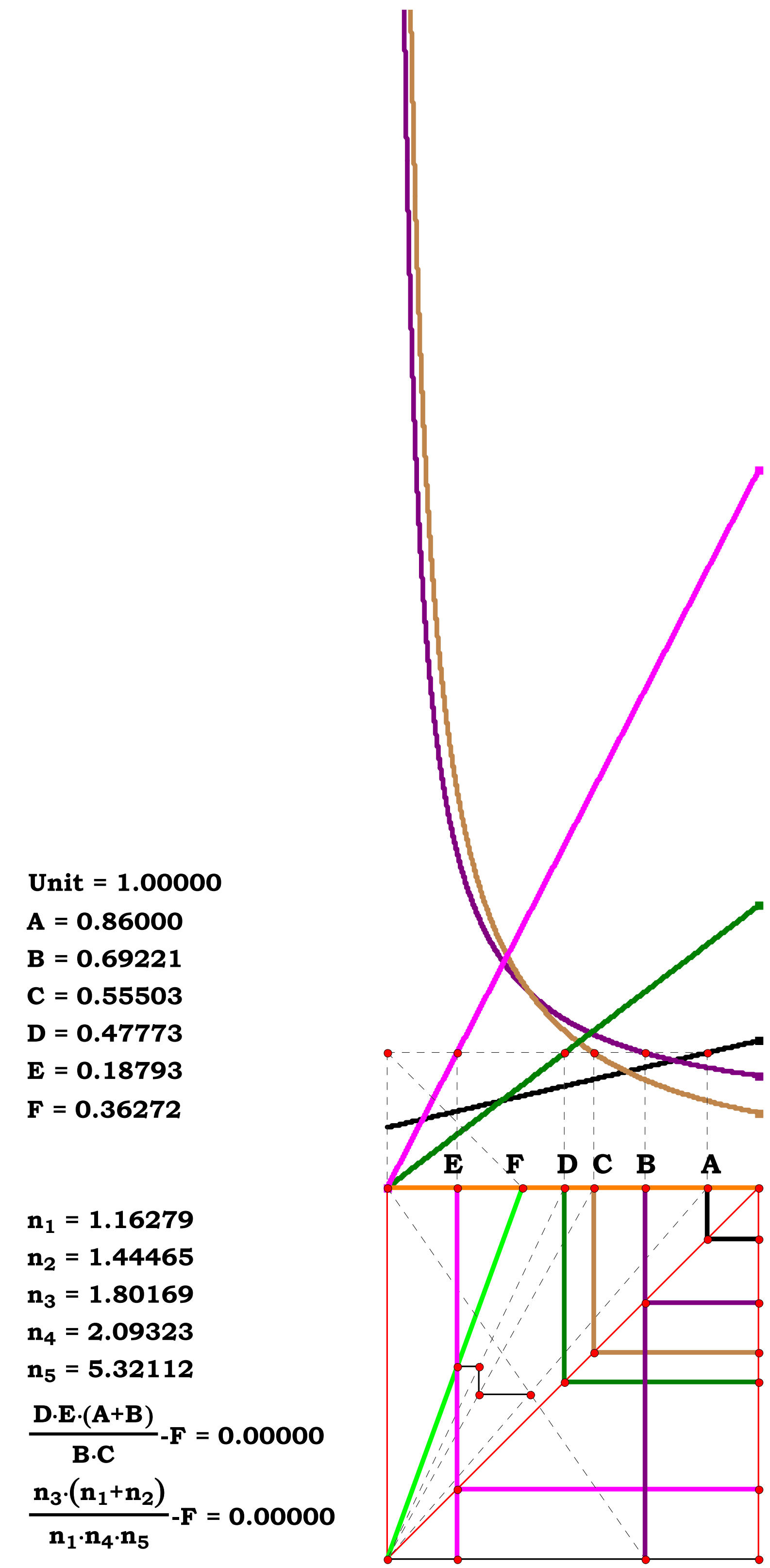
$$de := \frac{be}{D} \qquad F := \frac{E}{de}$$

$F = 0.362723$

Definitions.

$$F - \frac{D \cdot E \cdot (A + B)}{B \cdot C} = 0$$

$$F - \frac{n_3 \cdot (n_1 + n_2)}{n_1 \cdot n_4 \cdot n_5} = 0$$



1CST6R7

Given.

$A := .86000$

$B := .68385$ $\quad C := .34186$

$D := .51535$ $\quad E := .20047$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D} \quad n_5 := \frac{1}{E}$$

Descriptions.

$$ce := \frac{B}{A} \qquad be := ce \cdot C$$

$$de := 1 - \frac{be}{D} \qquad F := \frac{E}{de}$$

$F = 0.42426$

Definitions.

$$F - \frac{A \cdot D \cdot E}{A \cdot D - B \cdot C} = 0$$

$$F - \frac{n_2 \cdot n_3}{n_5 \cdot (n_2 \cdot n_3 - n_1 \cdot n_4)} = 0$$

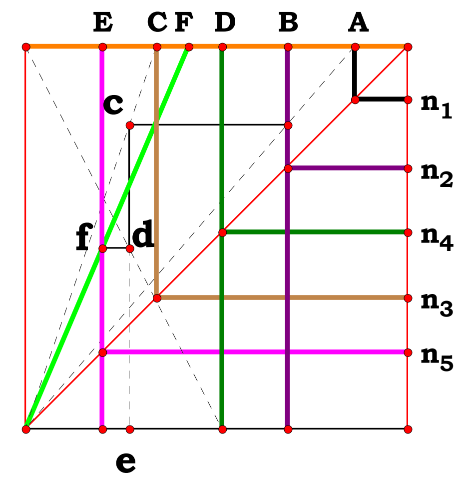
Unit = 1.00000

A = 0.86000
B = 0.68385
C = 0.34186
D = 0.51535
E = 0.20047
F = 0.42427

n_1 = 1.16279
n_2 = 1.46231
n_3 = 2.92515
n_4 = 1.94043
n_5 = 4.98828

$\frac{A \cdot D \cdot E}{A \cdot D - B \cdot C} - F = 0.00000$

$\frac{n_2 \cdot n_3}{n_5 \cdot (n_2 \cdot n_3 - n_1 \cdot n_4)} - F = 0.00000$



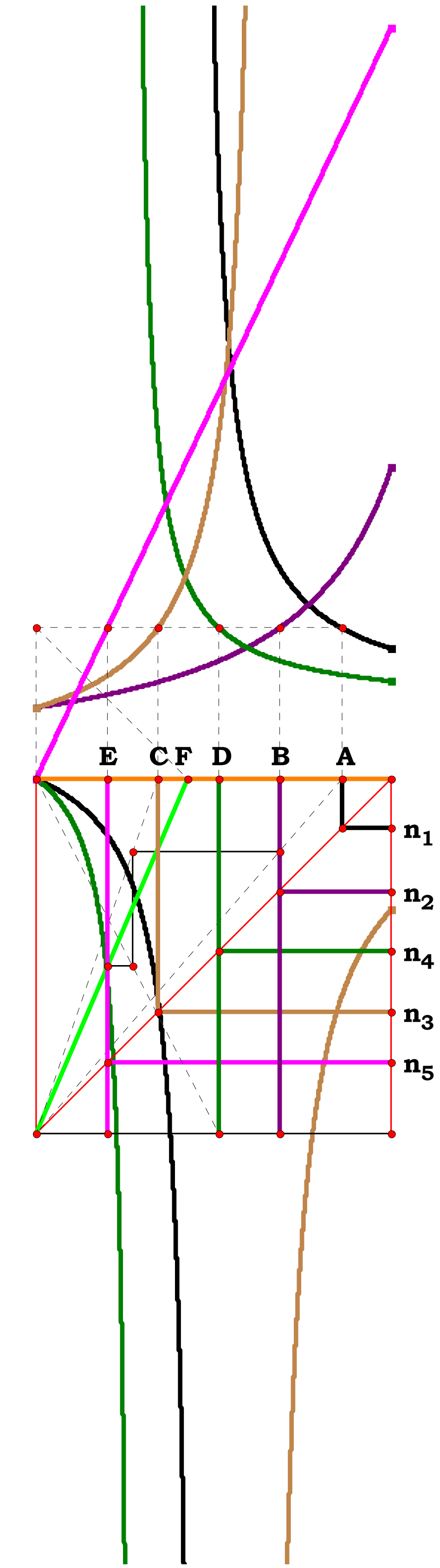
Unit = 1.00000

A = 0.86000
B = 0.68385
C = 0.34186
D = 0.51535
E = 0.20047
F = 0.42427

n_1 = 1.16279
n_2 = 1.46231
n_3 = 2.92515
n_4 = 1.94043
n_5 = 4.98828

$\frac{A \cdot D \cdot E}{A \cdot D - B \cdot C} - F = 0.00000$

$\frac{n_2 \cdot n_3}{n_5 \cdot (n_2 \cdot n_3 - n_1 \cdot n_4)} - F = 0.00000$



1CST7R0

Given.

$A := .87254$

$B := .22825 \qquad C := .69715$

$D := .41085 \qquad E := .61427$

$$n_1 := \frac{1}{A} \qquad n_2 := \frac{1}{B} \qquad n_3 := \frac{1}{C} \qquad n_4 := \frac{1}{D} \qquad n_5 := \frac{1}{E}$$

Descriptions.

$$hj := \frac{C}{B+C} \qquad bj := \frac{B \cdot C}{B+C} \qquad ac := \frac{(1-hj)\cdot A}{A-bj}$$

$$bg := D\cdot(1-ac) \qquad bp := \frac{bg}{ac} \qquad ko := \frac{bp}{bp+A}$$

$$be := E\cdot ko \qquad F := \frac{be}{1-ko} \qquad F = 0.652332$$

Definitions.

$$F - \frac{C\cdot D\cdot E\cdot(A-B)}{A^2\cdot B} = 0$$

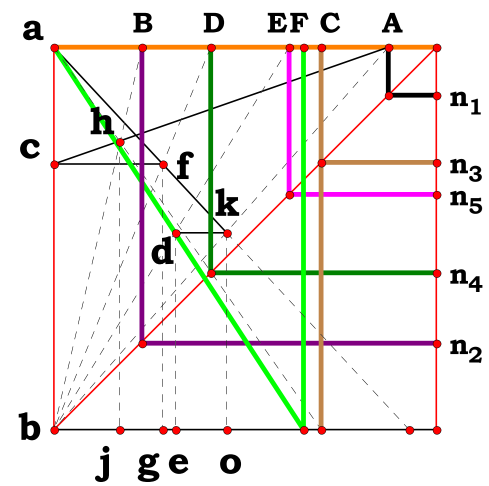
$$F - \frac{n_1\cdot(n_2-n_1)}{n_3\cdot n_4\cdot n_5} = 0$$

Unit = 1.00000
$A = 0.87254$
$B = 0.22825$
$C = 0.69715$
$D = 0.41085$
$E = 0.61427$
$F = 0.65234$

$n_1 = 1.14608$
$n_2 = 4.38117$
$n_3 = 1.43441$
$n_4 = 2.43396$
$n_5 = 1.62794$

$$\frac{C\cdot D\cdot E\cdot(A-B)}{A^2\cdot B} - F = 0.00000$$

$$\frac{n_1\cdot(n_2-n_1)}{n_3\cdot n_4\cdot n_5} - F = 0.00000$$

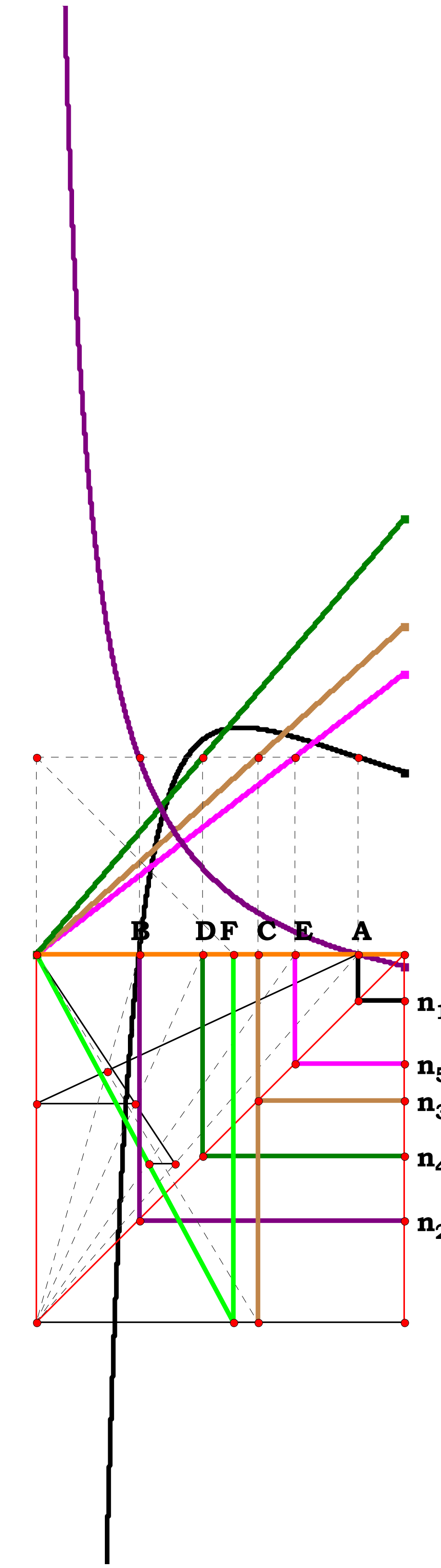


Unit = 1.00000
$A = 0.87254$
$B = 0.27841$
$C = 0.60101$
$D = 0.45265$
$E = 0.70205$
$F = 0.53536$

$n_1 = 1.14608$
$n_2 = 3.59186$
$n_3 = 1.66386$
$n_4 = 2.20920$
$n_5 = 1.42440$

$$\frac{C\cdot D\cdot E\cdot(A-B)}{A^2\cdot B} - F = 0.00000$$

$$\frac{n_1\cdot(n_2-n_1)}{n_3\cdot n_4\cdot n_5} - F = 0.00000$$



1CST7R1

Given. $A := .72625$ $B := .24915$

$C := .62191$ $D := .50699$

$A := \frac{1}{A}$ $B := \frac{1}{B}$ $C := \frac{1}{C}$ $D := \frac{1}{D}$

Descriptions.

$fg := \frac{C}{B + C}$ $bg := \frac{B \cdot C}{B + C}$

$ac := \frac{A \cdot (1 - fg)}{A - bg}$ $de := 1 - ac$

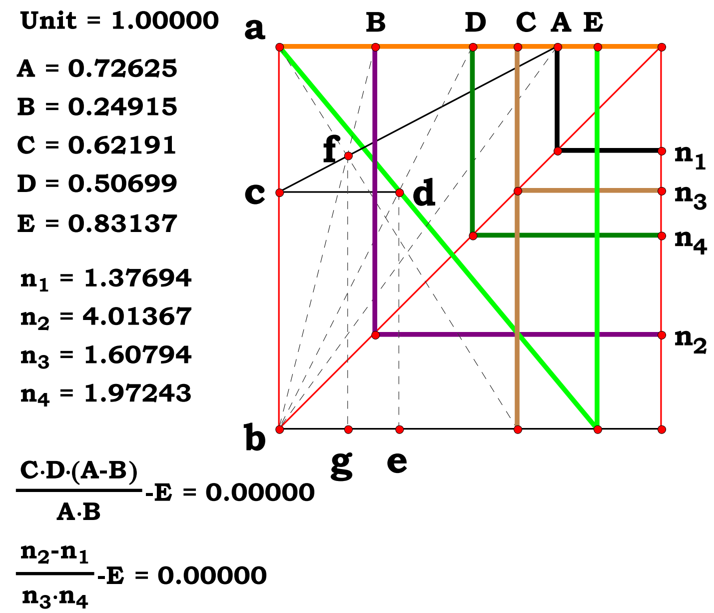
$be := D \cdot de$ $E := \frac{be}{ac}$

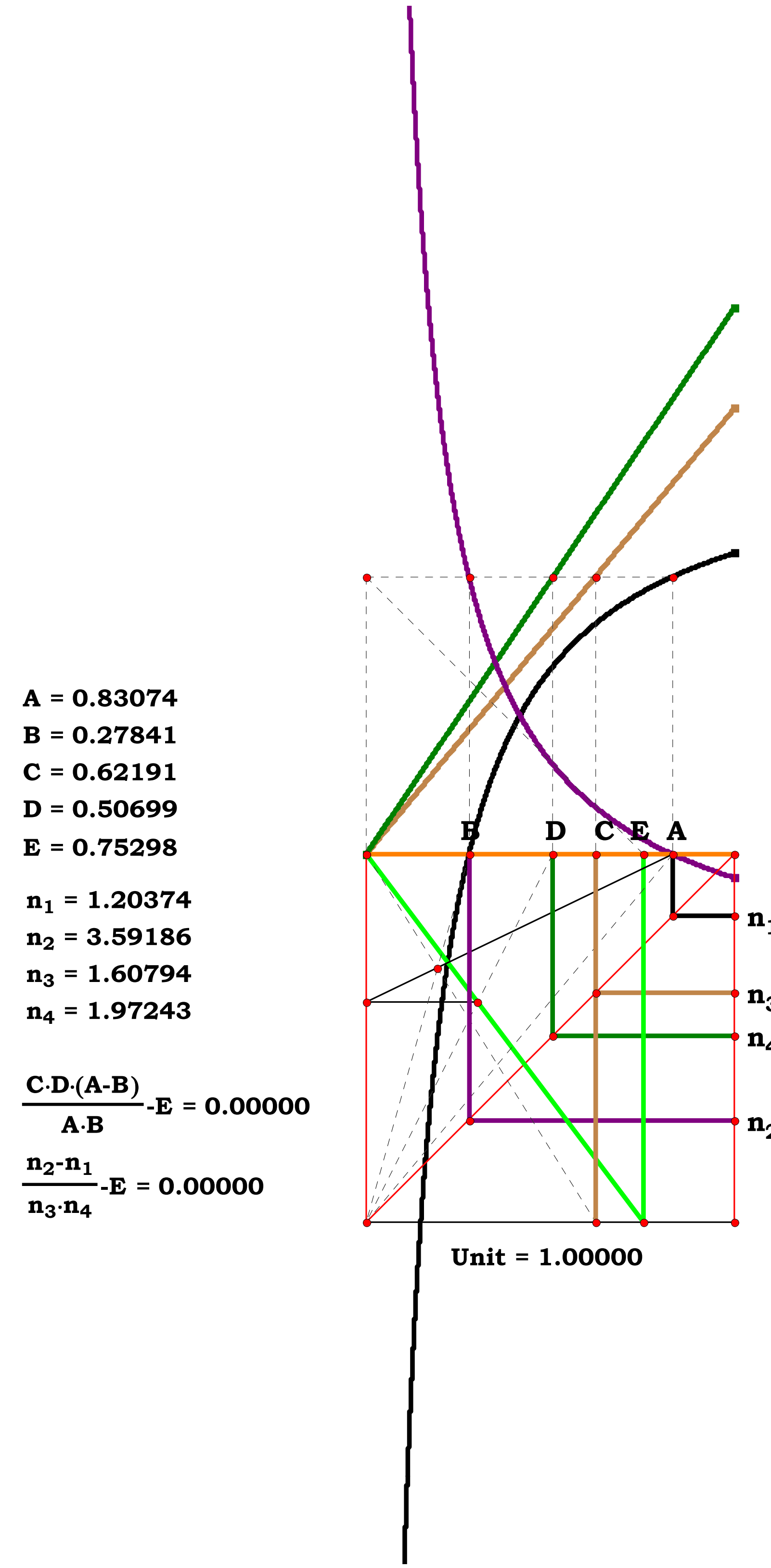
$E = -1.513152$

Definitions.

$$E - \frac{C \cdot D \cdot (A - B)}{A \cdot B} = 0$$

$$E - \frac{(B - A)}{C \cdot D} = -2.344512$$





1CST7R2

Given. $A := .86000$ $B := .58358$

$C := .23737$ $D := .44429$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$ $n_4 := \frac{1}{D}$

Descriptions.

$ef := \frac{C}{B + C}$ $bf := B \cdot ef$

$ac := \frac{A \cdot (1 - ef)}{A - bf}$ $F := D \cdot ac$

$F = 0.392921$

Definitions.

$$F - \frac{A \cdot B \cdot D}{A \cdot B + A \cdot C - B \cdot C} = 0$$

$$F - \frac{n_3}{n_4 \cdot \left(n_2 - n_1 + n_3\right)} = 0$$

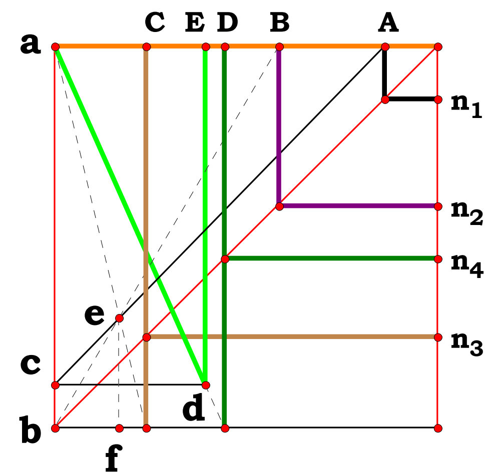
Unit = 1.00000

$A = 0.86000$
$B = 0.58354$
$C = 0.23737$
$D = 0.44429$
$E = 0.39291$

$n_1 = 1.16279$
$n_2 = 1.71369$
$n_3 = 4.21288$
$n_4 = 2.25077$

$$\frac{A \cdot B \cdot D}{(A \cdot B + A \cdot C) - B \cdot C} - E = 0.00000$$

$$\frac{n_3}{n_4 \cdot ((n_3 + n_2) - n_1)} - E = 0.00000$$

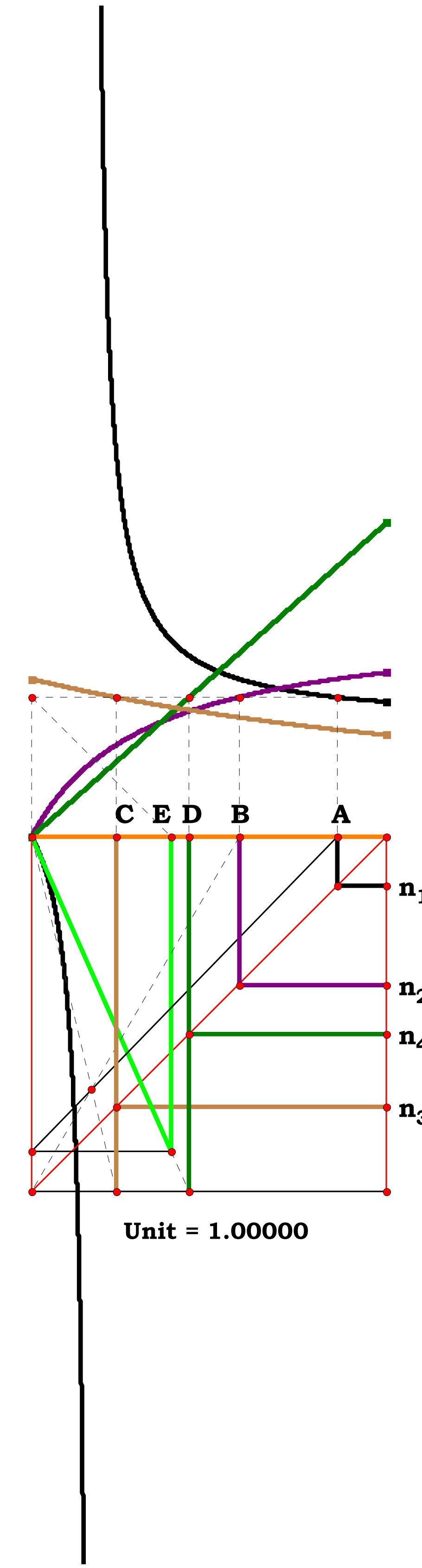


$A = 0.86000$
$B = 0.58354$
$C = 0.23737$
$D = 0.44429$
$E = 0.39291$

$n_1 = 1.16279$
$n_2 = 1.71369$
$n_3 = 4.21288$
$n_4 = 2.25077$

$$\frac{A \cdot B \cdot D}{(A \cdot B + A \cdot C) - B \cdot C} - E = 0.00000$$

$$\frac{n_3}{n_4 \cdot ((n_3 + n_2) - n_1)} - E = 0.00000$$



Unit = 1.00000

1CST7R3

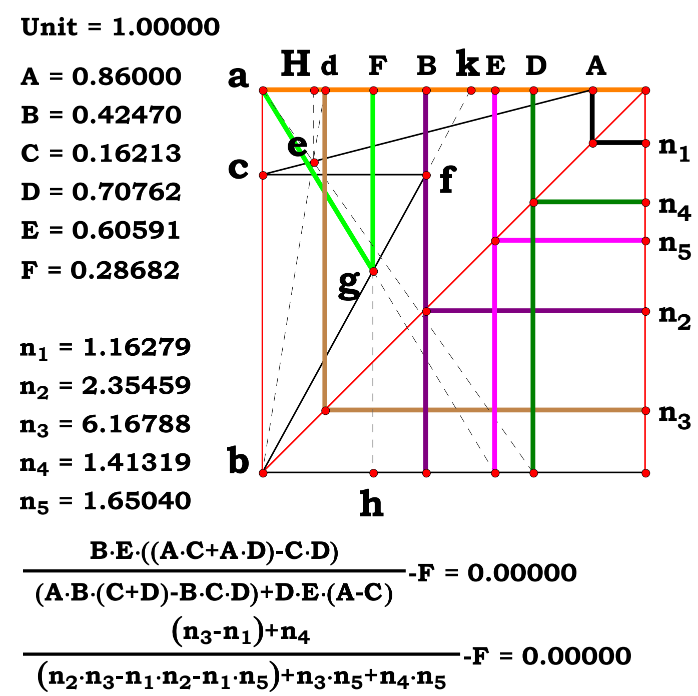
Given.

$A := .86000$

$B := .42470$ $\quad C := .16213$

$D := .70762$ $\quad E := .60591$

$n_1 := \dfrac{1}{A} \quad n_2 := \dfrac{1}{B} \quad n_3 := \dfrac{1}{C} \quad n_4 := \dfrac{1}{D} \quad n_5 := \dfrac{1}{E}$



Descriptions.

$ad := \dfrac{C \cdot D}{C + D} \qquad de := \dfrac{ad}{D}$

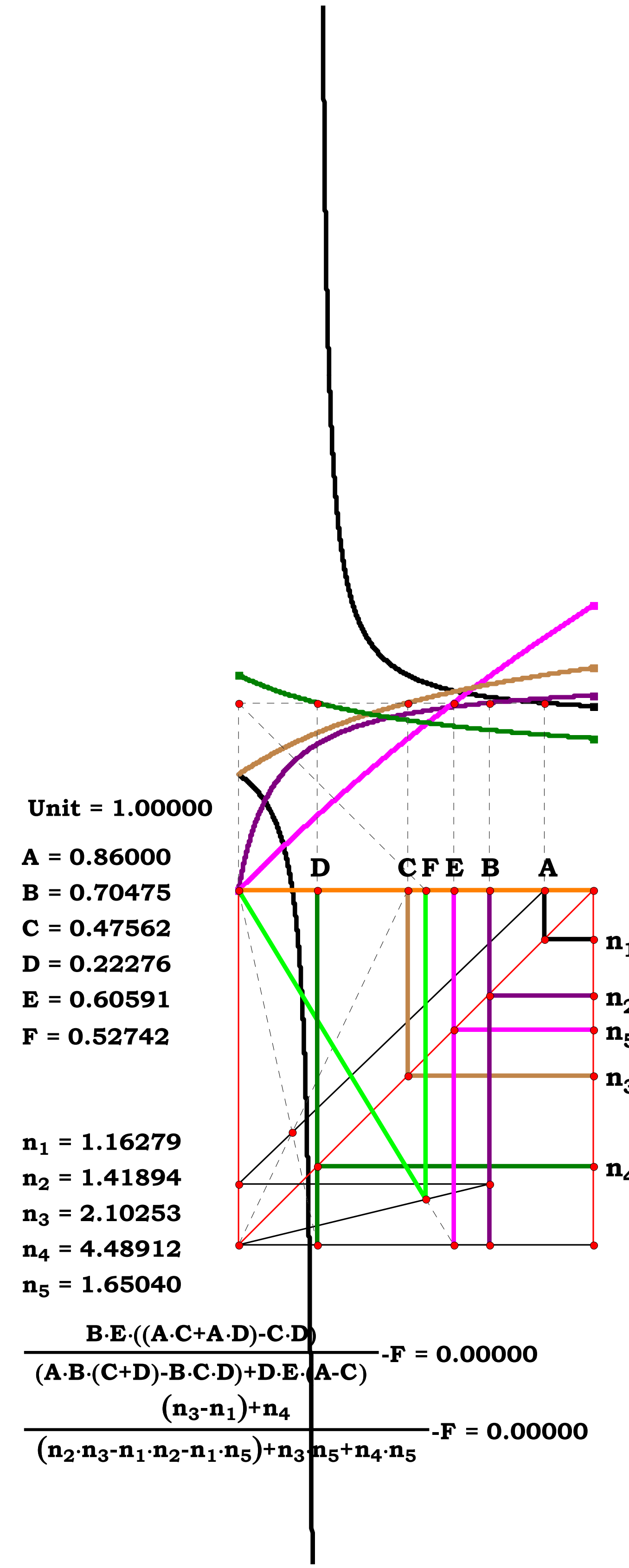
$ac := \dfrac{de \cdot A}{A - ad} \qquad ak := \dfrac{B}{1 - ac}$

$F := \dfrac{ak \cdot E}{ak + E} \qquad F = 0.286815$

Definitions.

$$F - \frac{B \cdot E \cdot (A \cdot C + A \cdot D - C \cdot D)}{A \cdot B \cdot (C + D) - B \cdot C \cdot D + D \cdot E \cdot (A - C)} = 0$$

$$F - \frac{\left(n_3 - n_1 + n_4\right)}{n_2 \cdot n_3 - n_1 \cdot n_2 - n_1 \cdot n_5 + n_3 \cdot n_5 + n_4 \cdot n_5} = 0$$



1CST7R4

Given. $A := .81402$

$B := .27423$ $C := .44218$

$D := .47773$ $E := .70205$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$ $n_4 := \frac{1}{D}$ $n_5 := \frac{1}{E}$

Descriptions.

$hj := \frac{C}{B+C}$ $bj := \frac{B \cdot C}{B+C}$

$ac := \frac{A \cdot (1 - hj)}{A - bj}$ $be := D \cdot (1 - ac)$

$bk := \frac{be}{ac}$ $FG := \frac{bk}{bk + A}$

$F := E \cdot (1 - FG)$ $F = 0.431364$

Definitions.

$$F - \frac{A^2 \cdot B \cdot E}{A^2 \cdot B + A \cdot C \cdot D - B \cdot C \cdot D} = 0$$

$$F - \frac{n_3 \cdot n_4}{n_5 \cdot \left(n_2 \cdot n_1 - n_1^{\,2} + n_3 \cdot n_4\right)} = 0$$

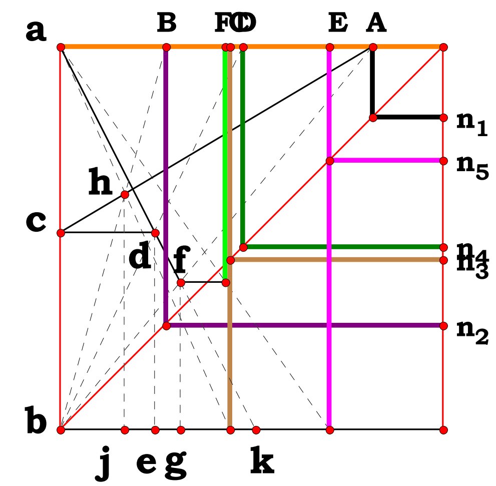
Unit = 1.00000

A = 0.81402
B = 0.27423
C = 0.44218
D = 0.47773
E = 0.70205
F = 0.43136

n_1 = 1.22847
n_2 = 3.64661
n_3 = 2.26153
n_4 = 2.09323
n_5 = 1.42440

$\frac{A^2 \cdot B \cdot E}{(A^2 \cdot B + A \cdot C \cdot D) - B \cdot C \cdot D}$-F = 0.00000

$\frac{n_3 \cdot n_4}{n_5 \cdot ((n_1 \cdot n_2 - n_1^2) + n_3 \cdot n_4)}$-F = 0.00000



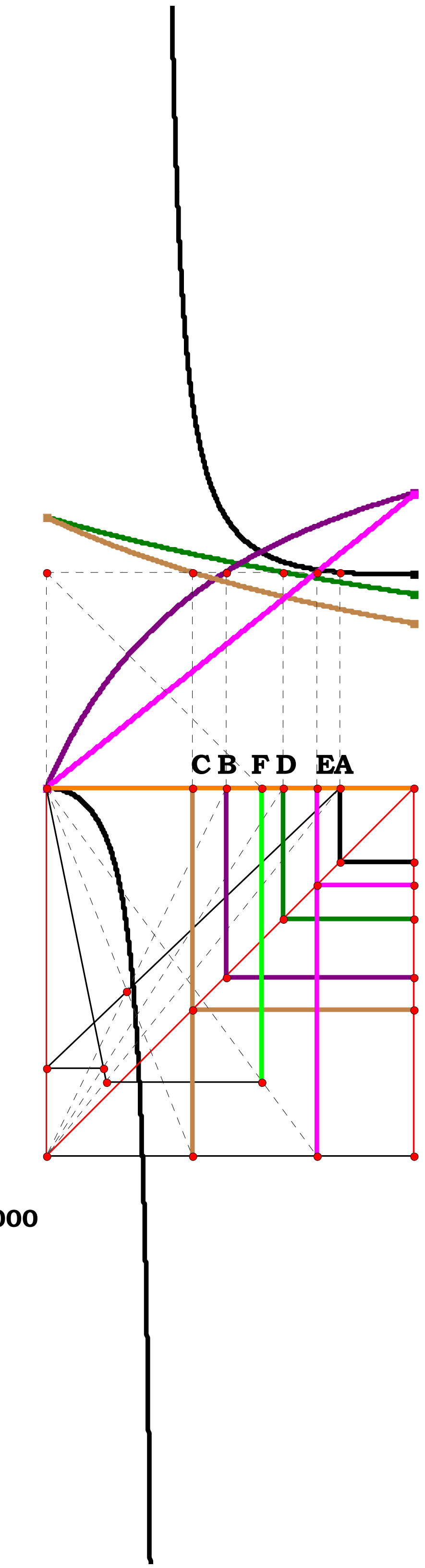
Unit = 1.00000

A = 0.79730
B = 0.48740
C = 0.39620
D = 0.64492
E = 0.73549
F = 0.58578

n_1 = 1.25423
n_2 = 2.05171
n_3 = 2.52397
n_4 = 1.55057
n_5 = 1.35964

$\frac{A^2 \cdot B \cdot E}{(A^2 \cdot B + A \cdot C \cdot D) - B \cdot C \cdot D}$-F = 0.00000

$\frac{n_3 \cdot n_4}{n_5 \cdot ((n_1 \cdot n_2 - n_1^2) + n_3 \cdot n_4)}$-F = 0.00000



1CST7R5

Given. $A := .85164$ $B := .61697$

$C := .29588$ $D := .38995$

$E := .69787$ $F := .77730$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D}$$

$$n_5 := \frac{1}{E} \quad n_6 := \frac{1}{F}$$

Descriptions.

$$fg := \frac{B}{B+C} \qquad bg := \frac{B \cdot C}{B+C} \qquad ac := \frac{A \cdot (1 - fg)}{A - bg}$$

$$be := D \cdot (1 - ac) \qquad bk := \frac{be}{ac} \qquad hj := \frac{bk}{bk + A}$$

$$ao := \frac{E}{hj} \qquad G := \frac{F \cdot ao}{F + ao} \qquad G = 0.54449$$

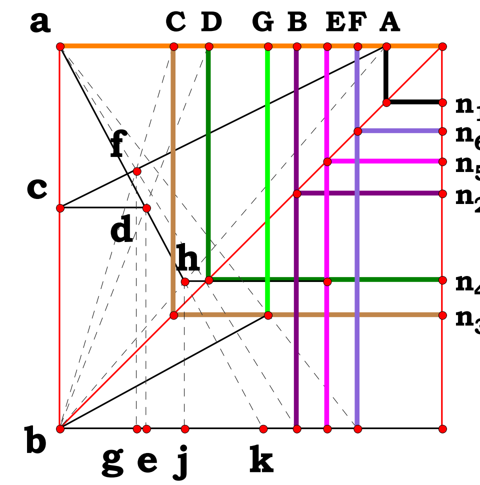
Definitions.

$$G - \frac{E \cdot F \cdot \left[A^2 \cdot C + B \cdot D \cdot (A - C)\right]}{A \cdot E \cdot (A \cdot C + B \cdot D) + B \cdot D \cdot (A \cdot F - C \cdot E - C \cdot F)} = 0$$

$$G - \frac{n_1 \cdot n_3 - n_1^2 + n_2 \cdot n_4}{n_1 \cdot n_3 \cdot n_5 - n_1^2 \cdot n_6 - n_1^2 \cdot n_5 + n_1 \cdot n_3 \cdot n_6 + n_2 \cdot n_4 \cdot n_6} = 0$$

Unit = 1.00000
A = 0.85164
B = 0.61697
C = 0.29588
D = 0.38995
E = 0.69787
F = 0.77730
G = 0.54449

n_1 = 1.17420
n_2 = 1.62081
n_3 = 3.37969
n_4 = 2.56440
n_5 = 1.43293
n_6 = 1.28651

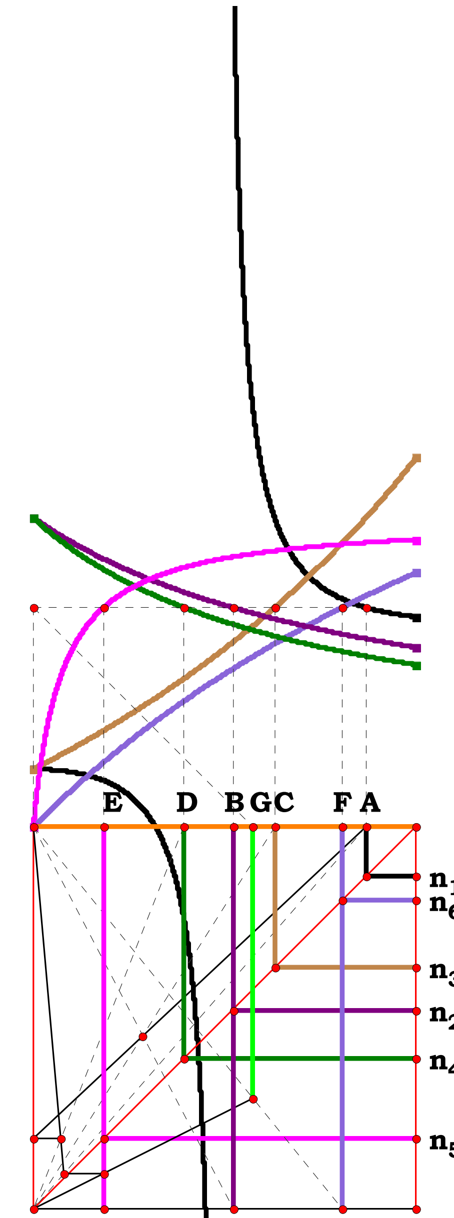


$$\frac{E \cdot F \cdot (A^2 \cdot C + B \cdot D \cdot (A-C))}{A \cdot E \cdot (A \cdot C + B \cdot D) + B \cdot D \cdot (A \cdot F - C \cdot E - C \cdot F)} - G = 0.00000$$

$$\frac{(n_1 \cdot n_3 - n_1^2) + n_2 \cdot n_4}{(n_1 \cdot n_3 \cdot n_5 - n_1^2 \cdot n_6 - n_1^2 \cdot n_5) + n_1 \cdot n_3 \cdot n_6 + n_2 \cdot n_4 \cdot n_6} - G = 0.00000$$

A = 0.86836
B = 0.52084
C = 0.63027
D = 0.39413
E = 0.18375
F = 0.80655
G = 0.57231

n_1 = 1.15160
n_2 = 1.91998
n_3 = 1.58662
n_4 = 2.53721
n_5 = 5.44216
n_6 = 1.23984



Unit = 1.00000

$$\frac{E \cdot F \cdot (A^2 \cdot C + B \cdot D \cdot (A-C))}{A \cdot E \cdot (A \cdot C + B \cdot D) + B \cdot D \cdot (A \cdot F - C \cdot E - C \cdot F)} - G = 0.00000$$

$$\frac{(n_1 \cdot n_3 - n_1^2) + n_2 \cdot n_4}{(n_1 \cdot n_3 \cdot n_5 - n_1^2 \cdot n_6 - n_1^2 \cdot n_5) + n_1 \cdot n_3 \cdot n_6 + n_2 \cdot n_4 \cdot n_6} - G = 0.00000$$

1CST7R6

Given. $A := .82656$

$B := .76745$ $C := .36276$

$D := .60731$ $E := .48888$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$ $n_4 := \frac{1}{D}$ $n_5 := \frac{1}{E}$

Descriptions.

$hj := \frac{B}{B+C}$ $bj := hj \cdot C$

$ac := \frac{A \cdot (1 - hj)}{A - bj}$ $be := D \cdot (1 - ac)$

$bk := \frac{be}{ac}$ $fg := \frac{bk}{A + bk}$

$F := \frac{E}{(1 - fg)}$ $F = 0.915288$

Definitions.

$$F - \frac{E \cdot \left(A^2 \cdot C + A \cdot B \cdot D - B \cdot C \cdot D\right)}{A^2 \cdot C} = 0$$

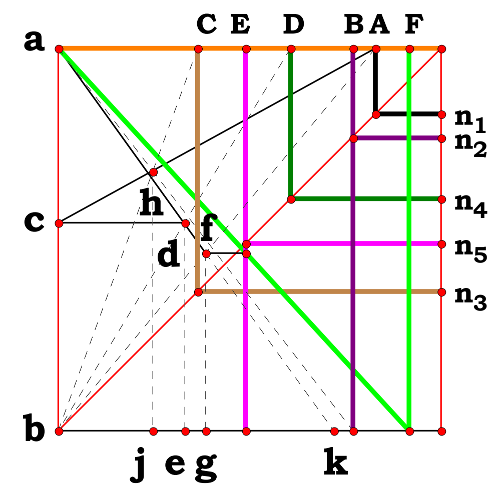
$$F - \frac{n_1 \cdot n_3 - n_1^{\,2} + n_2 \cdot n_4}{n_2 \cdot n_4 \cdot n_5} = 0$$

Unit = 1.00000
A = 0.82656
B = 0.76745
C = 0.36276
D = 0.60731
E = 0.48888
F = 0.91528

$n_1 = 1.20983$
$n_2 = 1.30302$
$n_3 = 2.75663$
$n_4 = 1.64662$
$n_5 = 2.04550$

$\frac{E\cdot((A^2\cdot C+A\cdot B\cdot D)-B\cdot C\cdot D)}{A^2\cdot C}-F = 0.00000$

$\frac{(n_1\cdot n_3-n_1^2)+n_2\cdot n_4}{n_2\cdot n_4\cdot n_5}-F = 0.00000$

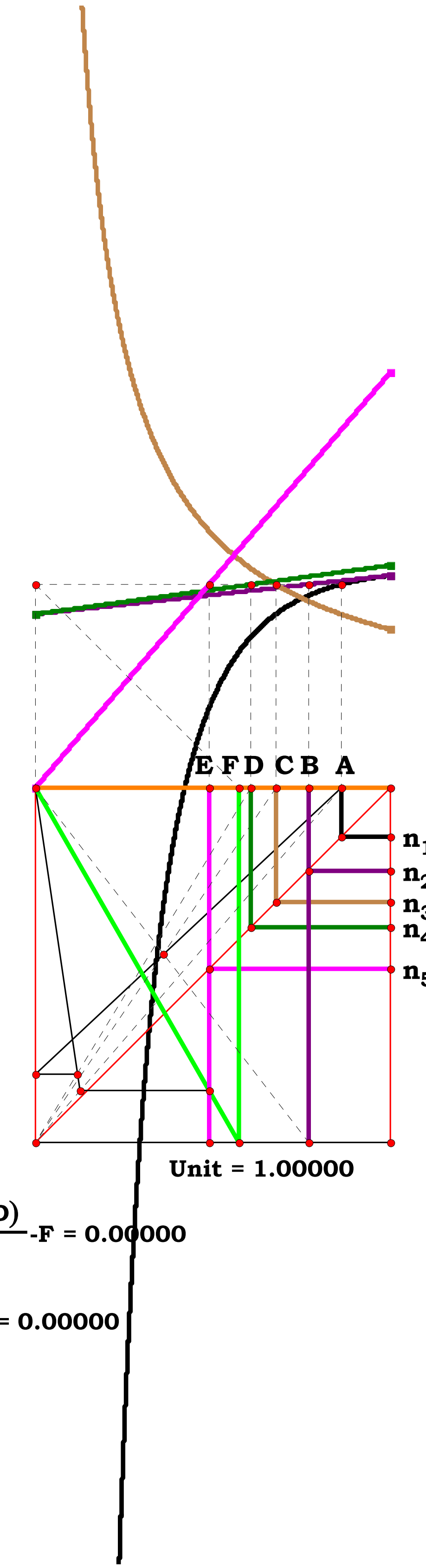


A = 0.86000
B = 0.76745
C = 0.67625
D = 0.60731
E = 0.48888
F = 0.57259

$n_1 = 1.16279$
$n_2 = 1.30302$
$n_3 = 1.47874$
$n_4 = 1.64662$
$n_5 = 2.04550$

$\frac{E\cdot((A^2\cdot C+A\cdot B\cdot D)-B\cdot C\cdot D)}{A^2\cdot C}-F = 0.00000$

$\frac{(n_1\cdot n_3-n_1^2)+n_2\cdot n_4}{n_2\cdot n_4\cdot n_5}-F = 0.00000$



1CST7R7

Given. $A := .86000 \quad B := .76745$

$C := .35858 \quad D := .67836$

$E := .62263 \quad F := .28408$

$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D}$

$n_5 := \frac{1}{E} \quad n_6 := \frac{1}{F}$

Descriptions.

$fg := \frac{B}{B + C} \qquad bg := fg \cdot C \qquad ac := \frac{A \cdot (1 - fg)}{A - bg}$

$be := D \cdot (1 - ac) \qquad bn := \frac{be}{ac} \qquad hj := \frac{bn}{bn + A}$

$bp := E \cdot (1 - hj) \qquad km := \frac{F \cdot hj}{bp} \qquad G := \frac{F}{1 - km}$

$G = 0.515662$

Definitions.

$$G - \frac{A^2 \cdot C \cdot E \cdot F}{A^2 \cdot C \cdot E - A \cdot B \cdot D \cdot F + B \cdot C \cdot D \cdot F} = 0$$

$$G - \frac{n_2 \cdot n_4}{n_5 \cdot n_1^2 - n_3 \cdot n_5 \cdot n_1 + n_2 \cdot n_4 \cdot n_6} = 0$$

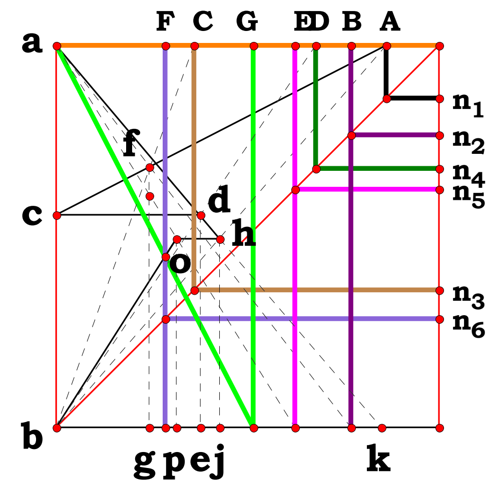
Unit = 1.00000

A = 0.86000
B = 0.76745
C = 0.35858
D = 0.67836
E = 0.62263
F = 0.28408
G = 0.51564

n_1 = 1.16279
n_2 = 1.30302
n_3 = 2.78876
n_4 = 1.47414
n_5 = 1.60608
n_6 = 3.52019

$\frac{A^2 \cdot C \cdot E \cdot F}{(A^2 \cdot C \cdot E - A \cdot B \cdot D \cdot F) + B \cdot C \cdot D \cdot F} - G = 0.00000$

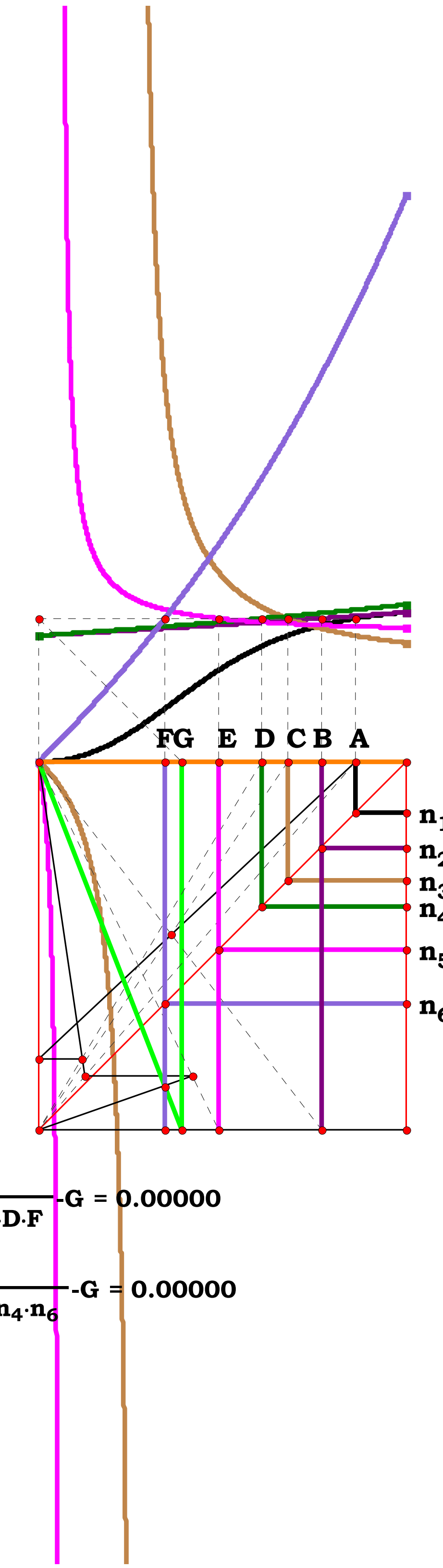
$\frac{n_2 \cdot n_4}{(n_1^2 \cdot n_5 - n_1 \cdot n_3 \cdot n_5) + n_2 \cdot n_4 \cdot n_6} - G = 0.00000$



Unit = 1.00000

A = 0.86000
B = 0.76745
C = 0.67625
D = 0.60731
E = 0.48888
F = 0.34259
G = 0.38931

n_1 = 1.16279
n_2 = 1.30302
n_3 = 1.47874
n_4 = 1.64662
n_5 = 2.04550
n_6 = 2.91891

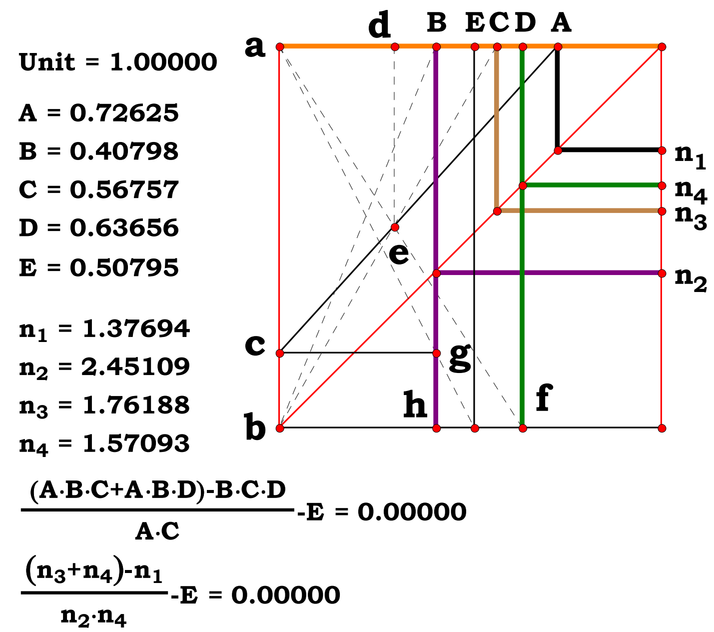


$\frac{A^2 \cdot C \cdot E \cdot F}{(A^2 \cdot C \cdot E - A \cdot B \cdot D \cdot F) + B \cdot C \cdot D \cdot F} - G = 0.00000$

$\frac{n_2 \cdot n_4}{(n_1^2 \cdot n_5 - n_1 \cdot n_3 \cdot n_5) + n_2 \cdot n_4 \cdot n_6} - G = 0.00000$



1CST7R8



Given. $A := .72625$ $\quad B := .40798$

$C := .56757$ $\quad D := .63656$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D}$$

Descriptions.

$$de := \frac{C}{C + D} \qquad ad := D \cdot de$$

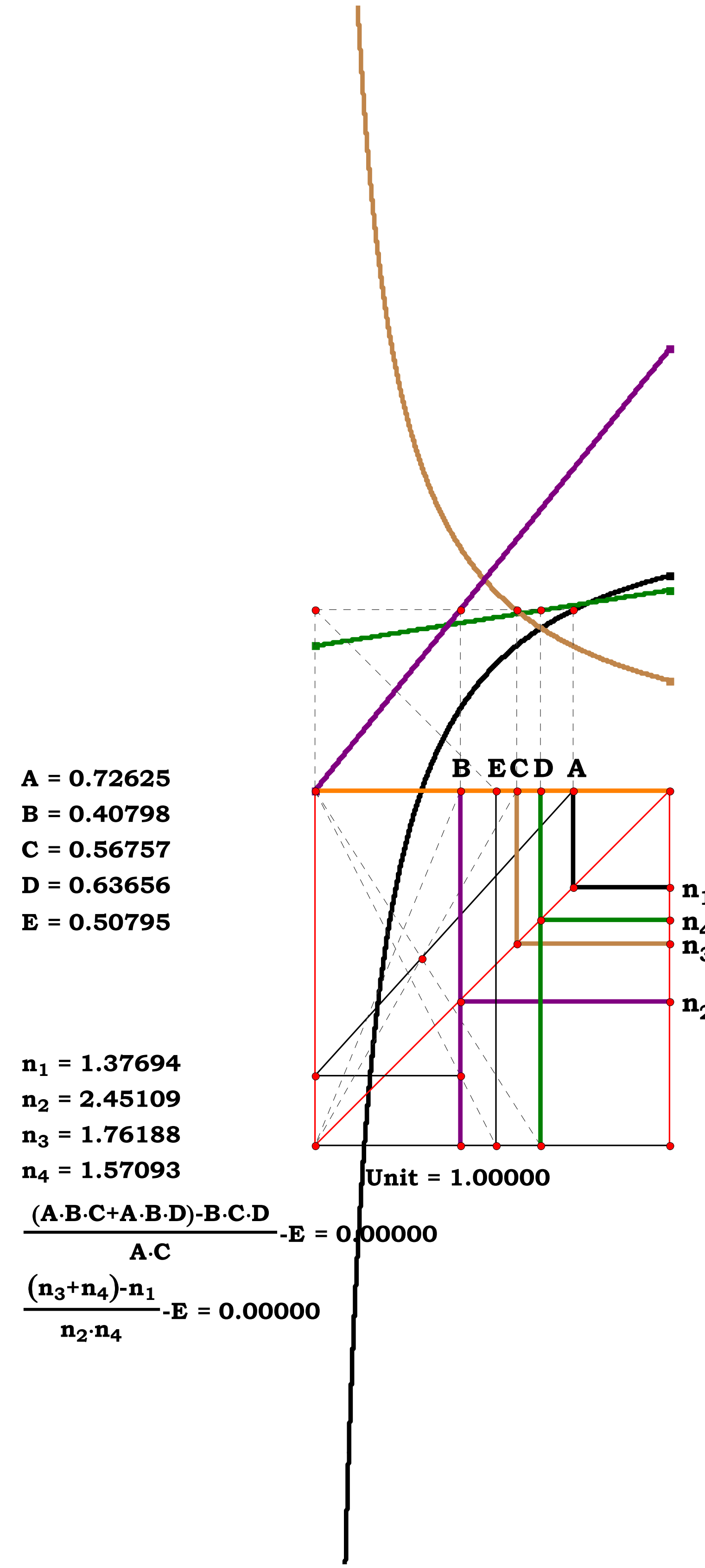
$$ac := \frac{de \cdot A}{A - ad} \qquad E := \frac{B}{ac}$$

$$E = 0.507956$$

Definitions.

$$E - \frac{A \cdot B \cdot C + A \cdot B \cdot D - B \cdot C \cdot D}{A \cdot C} = 0$$

$$E - \frac{n_3 - n_1 + n_4}{n_2 \cdot n_4} = 0$$



1CST7R9

Given. $A := .86000$ $B := .37036$

$C := .72223$ $D := .54879$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$ $n_4 := \frac{1}{D}$

Descriptions.

$af := \frac{B \cdot C}{B + C}$ $fg := \frac{af}{C}$

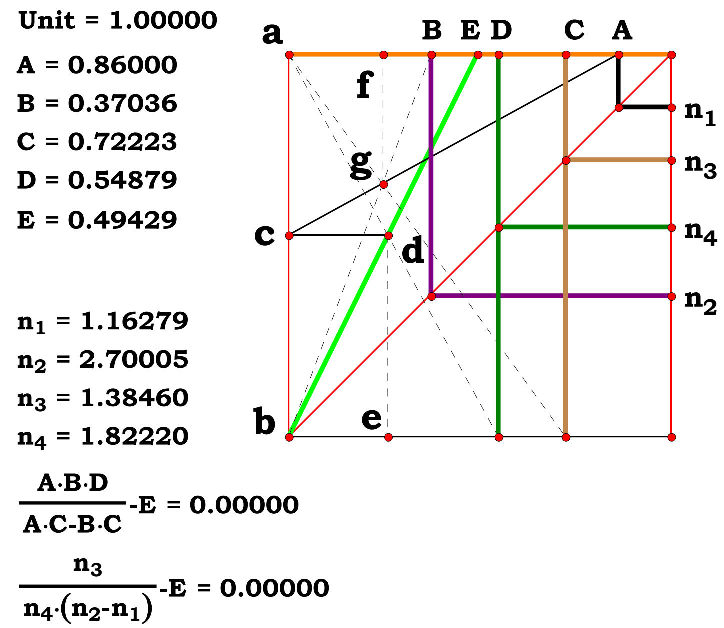
$ac := \frac{fg \cdot A}{A - af}$ $de := 1 - ac$

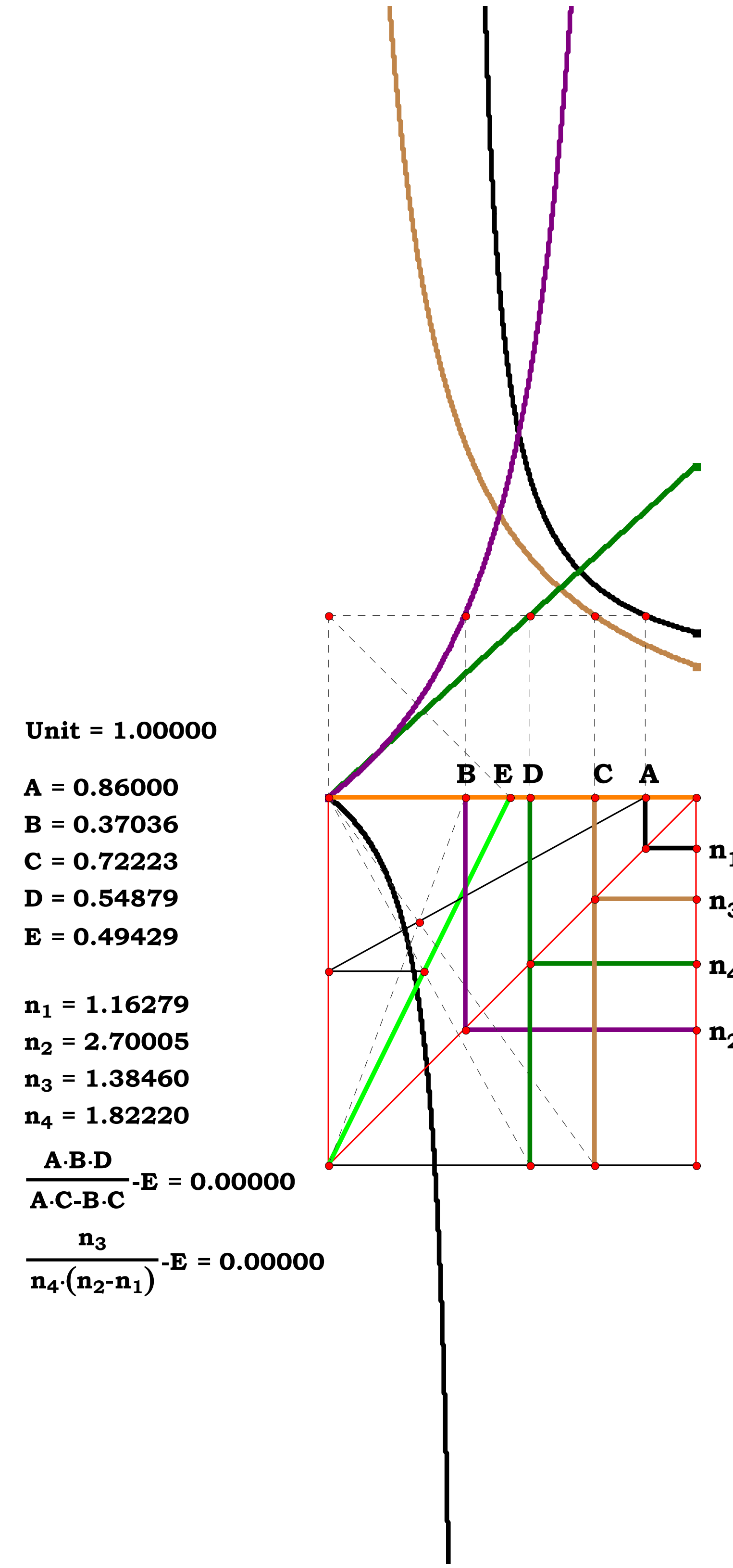
$be := D \cdot ac$ $E := \frac{be}{de}$ $E = 0.494284$

Definitions.

$$E - \frac{A \cdot B \cdot D}{A \cdot C - B \cdot C} = 0$$

$$E - \frac{n_3}{n_4 \cdot (n_2 - n_1)} = 0$$





1CST7R10

Given. $A := .77222 \quad B := .22825$

$C := .48335 \quad D := .63238$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D}$$

Descriptions.

$$de := \frac{C}{C+D} \qquad ad := D \cdot de$$

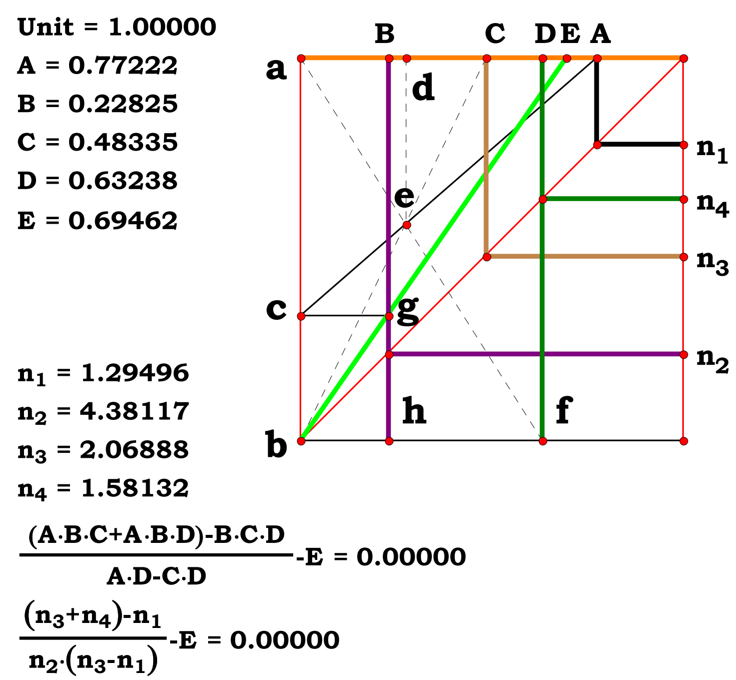
$$ac := \frac{de \cdot A}{A - ad} \qquad E := \frac{B}{1 - ac}$$

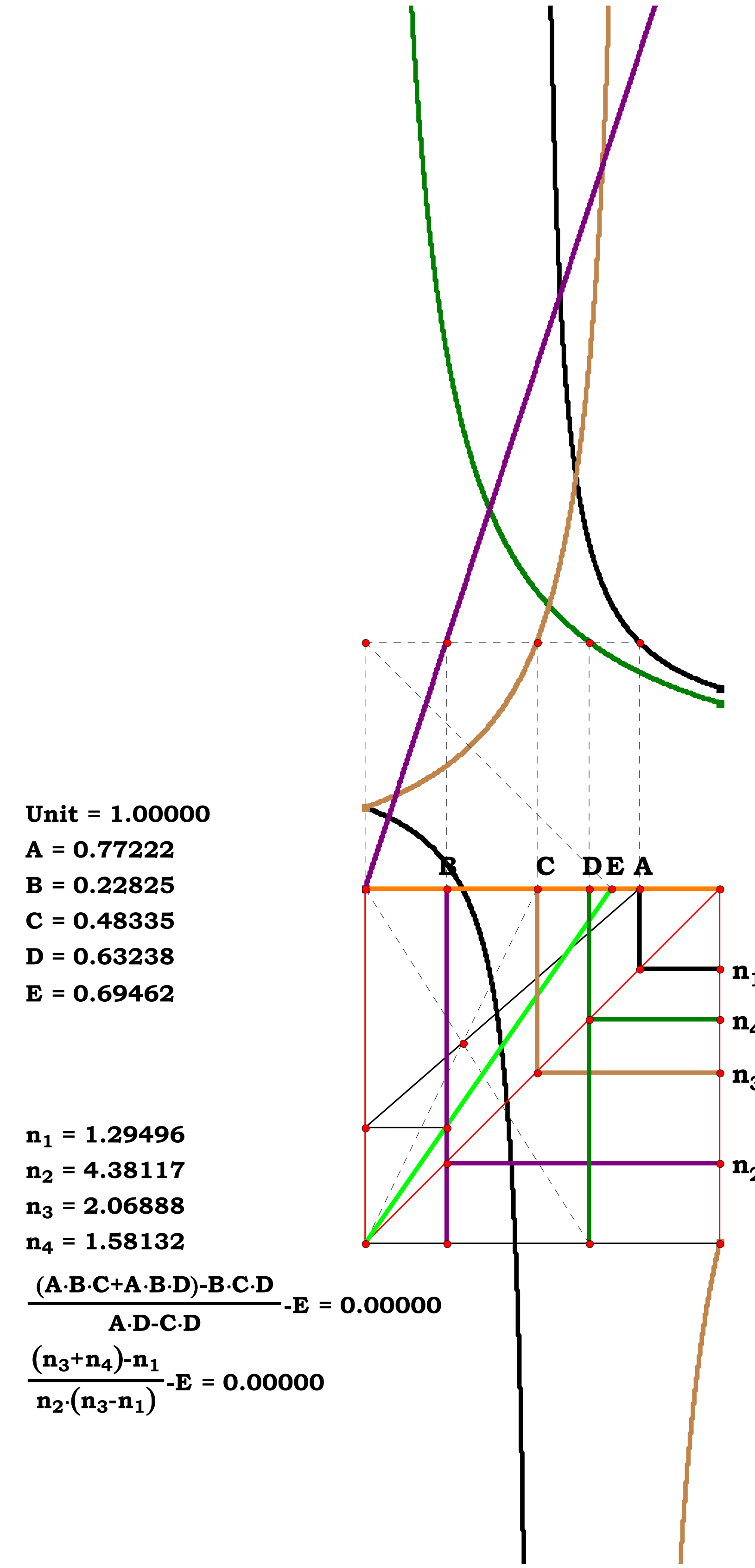
$E = 0.694623$

Definitions.

$$E - \frac{A \cdot B \cdot C + A \cdot B \cdot D - B \cdot C \cdot D}{A \cdot D - C \cdot D} = 0$$

$$E - \frac{n_3 - n_1 + n_4}{n_2 \cdot (n_3 - n_1)} = 0$$





1CST7R11

Given. $A := .86000$

$B := .72983$ $C := .29588$

$D := .58641$ $E := .48888$

$n_1 := \frac{1}{A}$ $n_2 := \frac{1}{B}$ $n_3 := \frac{1}{C}$ $n_4 := \frac{1}{D}$ $n_5 := \frac{1}{E}$

Descriptions.

$fg := \frac{B}{B+C}$ $bg := C \cdot fg$ $ac := \frac{A \cdot (1 - fg)}{A - bg}$

$be := D \cdot (1 - ac)$ $bp := \frac{be}{ac}$ $hj := \frac{bp}{bp + A}$

$bo := E \cdot (1 - hj)$ $F := \frac{bo}{hj}$

$F = 0.443119$

Definitions.

$$F - \frac{A^2 \cdot C \cdot E}{B \cdot D \cdot (A - C)} = 0$$

$$F - \frac{n_2 \cdot n_4}{n_5 \cdot n_1 \cdot (n_3 - n_1)} = 0$$

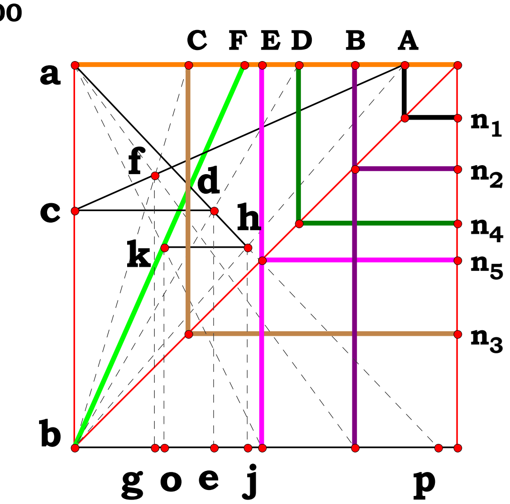
Unit = 1.00000

A = 0.86000
B = 0.72983
C = 0.29588
D = 0.58641
E = 0.48888
F = 0.44313

n_1 = 1.16279
n_2 = 1.37018
n_3 = 3.37969
n_4 = 1.70530
n_5 = 2.04550

$\frac{A^2 \cdot C \cdot E}{B \cdot D \cdot (A-C)}$-F = 0.00000

$\frac{n_2 \cdot n_4}{n_5 \cdot n_1 \cdot (n_3 - n_1)}$-F = 0.00000



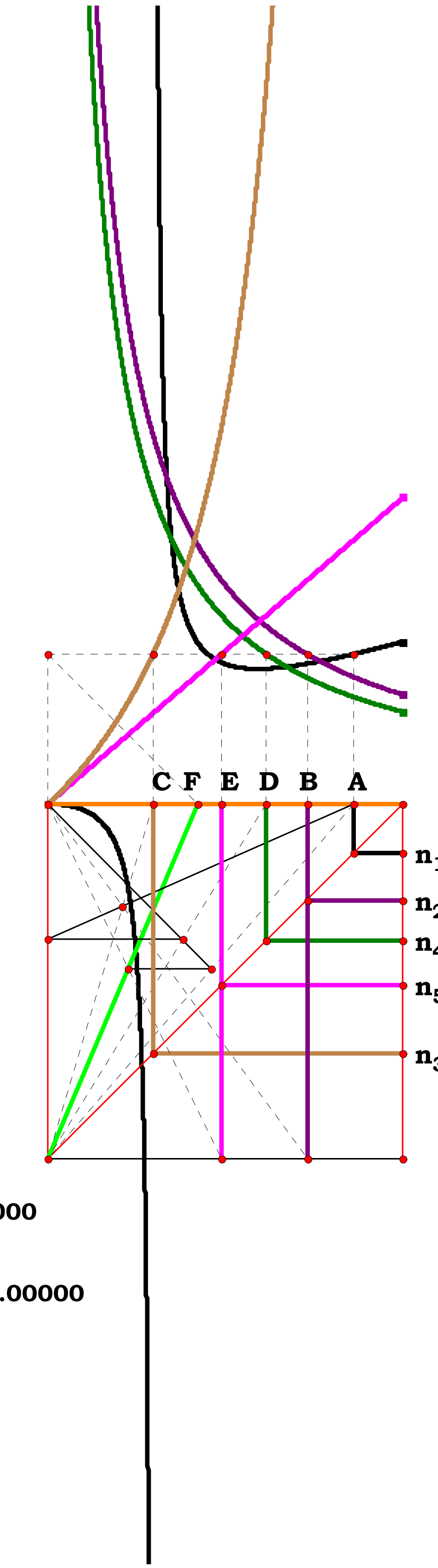
Unit = 1.00000

A = 0.86000
B = 0.72983
C = 0.29588
D = 0.61566
E = 0.48888
F = 0.42207

n_1 = 1.16279
n_2 = 1.37018
n_3 = 3.37969
n_4 = 1.62426
n_5 = 2.04550

$\frac{A^2 \cdot C \cdot E}{B \cdot D \cdot (A-C)}$-F = 0.00000

$\frac{n_2 \cdot n_4}{n_5 \cdot n_1 \cdot (n_3 - n_1)}$-F = 0.00000



1CST7R12

Given. $A := .84746$

$B := .62533 \quad C := .25409$

$D := .48191 \quad E := .34676$

$$n_1 := \frac{1}{A} \quad n_2 := \frac{1}{B} \quad n_3 := \frac{1}{C} \quad n_4 := \frac{1}{D} \quad n_5 := \frac{1}{E}$$

Descriptions.

$$fg := \frac{B}{B+C} \qquad bg := fg \cdot C \qquad ac := \frac{A \cdot (1 - fg)}{A - bg}$$

$$be := D \cdot (1 - ac) \qquad bo := \frac{be}{ac} \qquad hj := \frac{bo}{bo + A}$$

$$F := \frac{E}{hj} \qquad F = 0.700639$$

Definitions.

$$F - \frac{E \cdot \left[A^2 \cdot C + B \cdot D \cdot (A - C)\right]}{B \cdot D \cdot (A - C)} = 0$$

$$F - \frac{{n_1}^2 - n_1 \cdot n_3 - n_2 \cdot n_4}{n_1 \cdot n_5 \cdot (n_1 - n_3)} = 0$$

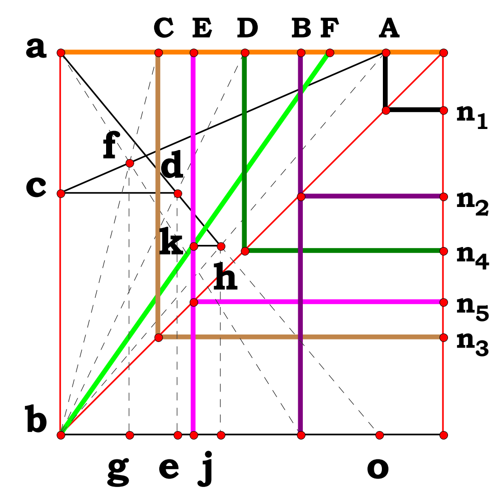
Unit = 1.00000

A = 0.84746
B = 0.62533
C = 0.25409
D = 0.48191
E = 0.34676
F = 0.70064

n_1 = 1.17999
n_2 = 1.59915
n_3 = 3.93566
n_4 = 2.07507
n_5 = 2.88380

$$\frac{E \cdot (A^2 \cdot C + B \cdot D \cdot (A - C))}{B \cdot D \cdot (A - C)} - F = 0.00000$$

$$\frac{{n_1}^2 - n_1 \cdot n_3 - n_2 \cdot n_4}{n_1 \cdot n_5 \cdot (n_1 - n_3)} - F = 0.00000$$



Unit = 1.00000

A = 0.86000
B = 0.68385
C = 0.18303
D = 0.44429
E = 0.31751
F = 0.52647

n_1 = 1.16279
n_2 = 1.46231
n_3 = 5.46360
n_4 = 2.25077
n_5 = 3.14955

$$\frac{E \cdot (A^2 \cdot C + B \cdot D \cdot (A - C))}{B \cdot D \cdot (A - C)} - F = 0.00000$$

$$\frac{{n_1}^2 - n_1 \cdot n_3 - n_2 \cdot n_4}{n_1 \cdot n_5 \cdot (n_1 - n_3)} - F = 0.00000$$

